

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



Final Year Internship Report
On
ONLINE HEALTH BUDDY

Submitted By:
Ranjeet Thakur
0901CS181080

Faculty Mentor:
Prof. Arun Kumar
Assistant Professor
Computer Science and Engineering

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
GWALIOR - 474005 (MP) est. 1957

MAY-JUNE 2022

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



ONLINE HEALTH BUDDY

A final year internship report submitted in partial fulfilment of the requirement for the degree

of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

Submitted by:

Ranjeet Thakur

0901CS181080

Internship Faculty Mentor:

Prof. Arun Kumar

Assistant Professor

Computer Science and Engineering

Submitted to:

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

GWALIOR - 474005 (MP) est. 1957

MAY-JUNE 2022

Internship Certificate Received from

Infosys Pvt Ltd

Infosys® Education, Training and
Assessment

**CERTIFICATE OF COMPLETION
OF
INTERNSHIP**

This is to certify that

RANJEET THAKUR

of

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE,
GWALIOR, RAJIV GANDHI PROUDYOGIKI
VISHWAVIDYALAYA**

has completed the internship program at Infosys Limited

from

January 2022 – April 2022

Satheesha B.N.

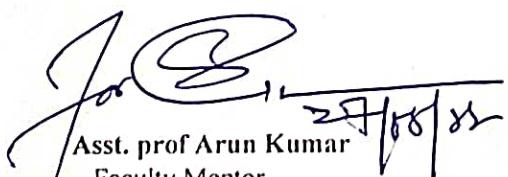
Satheesha B Nanjappa

Vice President and Head, Global Education Center

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

CERTIFICATE

This is certified that Ranjeet Thakur (0901CS181080) has submitted the Internship report titled "Online Health Buddy" of the work he has done under the mentorship of Asst. prof. Arun Kumar, in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.



Asst. prof Arun Kumar
Faculty Mentor
Computer Science & Engineering



27/05/23

Dr. Manish Dixit
Professor & Head
Computer Science & Engineering
Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

DECLARATION

I hereby declare that the work being presented in this Internship report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in CSE at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of Asst. Prof. Arun Kumar, Department of CSE.

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.



Ranjeet Thakur
0901CS181080
IV Year
Computer Science & Engineering

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

ACKNOWLEDGEMENT

The full semester internship has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary internship as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. Arun Kumar** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering**, **for allowing** me to explore this internship. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Asst. prof. Arun Kumar**, Department of Computer Science and Engineering, for his continued support and close mentoring throughout the internship. I am also very thankful to the faculty and staff of the department.

Ranjeet Thakur
0901CS181080
IV Year
Computer Science & Engineering

ABSTRACT

This project report describes our work for the development of “Online Health Buddy”, an enterprise application. An Enterprise Application is a software application that helps enterprises in managing their business-related activities. They are large and complex and solve business-related problems to fulfil the needs of the enterprises. The existing system is well and good also, but as we know the habit of consulting with doctor is decreasing day by day because of busy life. So, we have to attract user to come back on the track or habit of consulting online. They had some less features, so we want to provide the best option in the website. As the title suggests this is an online website which provide the online medical consultancy that can be done online on this website. The objective of our project is to provide a better user platform to user or the people who love to read novel. We surely provide some basic functionalities as well as more good option in this to improve the experience of user. We are creating a platform the reader who are interested in the remote consultancy, but to give them feasibility of getting medical consultancy anywhere.

About the Organization:

This Internship is a Training on Full stack development By **Infosys Private Limited** using Angular and SpringBoot.

Infosys Limited is an Indian multinational information technology company that provides business consulting, information technology and outsourcing services. The company was founded in Pune and is headquartered in Bangalore.

TABLE OF CONTENTS

TITLE	PAGE NO.
Introduction	1
Internship Certificate from Industry	3
Institute Internship Certificate	4
Declaration	5
Acknowledgement	6
Abstract	7
Abbreviation	
Chapter 1: Introduction	11
1.1 Objective	11
1.2 Scope	11
Chapter 2: Introduction to Health Buddy	12
Chapter 3: Technology Learned	13
3.1 HTML	13
3.2 CSS	13
3.3 Typescript	13
3.4 Angular	14
Chapter 4: System Requirement	15
4.1 Eclipse And VS code	15
Chapter 5: Implementation	16
5.1 Description	16
5.2 Interface Design	17
Chapter 6: Conclusion	21
Appendix : All FPRs	

LIST OF ABBREVIATIONS

Abbreviation	Description
API	Application Programming Interface
CMS	Content Management System
CSS	Cascading Style Sheets
DOM	Document Object Model
HTML	Hyper Text Markup Language
TS	TypeScript
UI	User interface
UX	User experience
XML	Extensible Markup Language

Chapter 1

Introduction

1.1 Objective

As the title suggest this is a training on web development to learn to build single page application with ease.

The objective of React JS is to provide better user experience and ease while surfing over the internet.

1.2 Scope

Scope of the project is very vast. Already many companies are working on this technology and adopting it ,like Facebook , Netflix etc.

Chapter 2

Introduction to Health Buddy

It is an online health providing platform. In which we provide health status digital to customers. In this we give them online facilities which include doctor consultancy along with required health checkup in affordable prices.

We also provide one to one doctor appointment at your comfort from anywhere. We also provide BMI calculator for our users to check their current health status.

In this current Pandemic like situations people afraid to visit outside from home. We give the best platform for the user to stay safe and have health status and if there problem we consults to doctor and provide affordable treatment.

Chapter 3

Technology Learned

3.1 HTML

Hyper Text Markup Language, the standard language for describing the structure of web pages. HTML is used for body of websites. HTML elements are the building blocks of web pages and are represented by tags. These tags label pieces of content.

It has various properties and attributes such as form, for and many tags are also available to provide a structure for any site.

3.2 CSS

Cascading Style Sheets, is a stylesheet language used to describe the presentation of a document written in HTML or XML.

It has various properties including from basic to advanced UI. CSS describes how elements should be displayed on the web UI.

It includes position, color, transition, hover and many more such properties.

3.3 Type Script

TypeScript Simplifies JavaScript code, making it easier to read and debug. TypeScript is open source. TypeScript provides highly productive development tools for JavaScript IDEs and practices, like static checking. TypeScript makes code easier to read and understand.

3.4 Angular

Angular is a platform and framework for **building single-page client applications using HTML and Type Script**. Angular is written in Type Script. It implements core and optional functionality as a set of Type Script libraries that you import into your applications.

Chapter 4

System Requirement

4.1 Angular

Now, the main question arises in front of us is why one should use React. There are so many open-source platforms for making the front-end web application development easier, like Angular. Let us take a quick look on the benefits of React over other competitive technologies or frameworks. With the front-end world-changing on a daily basis, it's hard to devote time to learning a new framework – especially when that framework could ultimately become a dead end.

4.2 Spring Boot

Spring Boot is an open source framework maintained by a company called Pivotal. It provides Java developers with a platform to get started with an auto configurable production-grade Spring application.

4.3 Eclipse

Eclipse is an integrated development environment used in computer programming. It contains a base workspace and an extensible plug-in system for customizing the environment.

4.4 VS Code

Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running, and version control.. It aims to provide just the tools a developer needs for a quick code-build-debug cycle and leaves more complex workflows to fuller featured IDEs, such as Visual Studio IDE.

Chapter 5

IMPLEMENTATION

5.1 Description

We provide user login and signup page. It is very simple and single page application.

Features :

- It is simple application to provide health status
- Easy Login and Logout feature are added
- Direct doctor appointment facilities
- Excellent Customer Support

5.2 Interface Design

There are some Screenshot of pages based on React JS

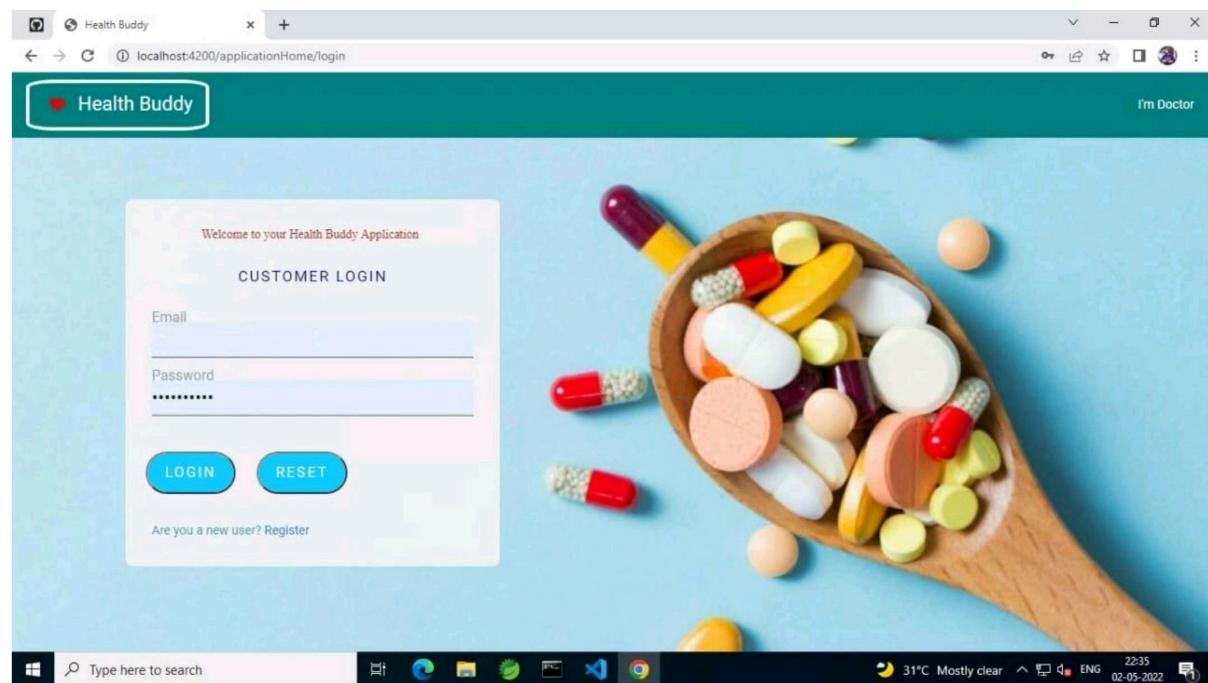


Figure. 1

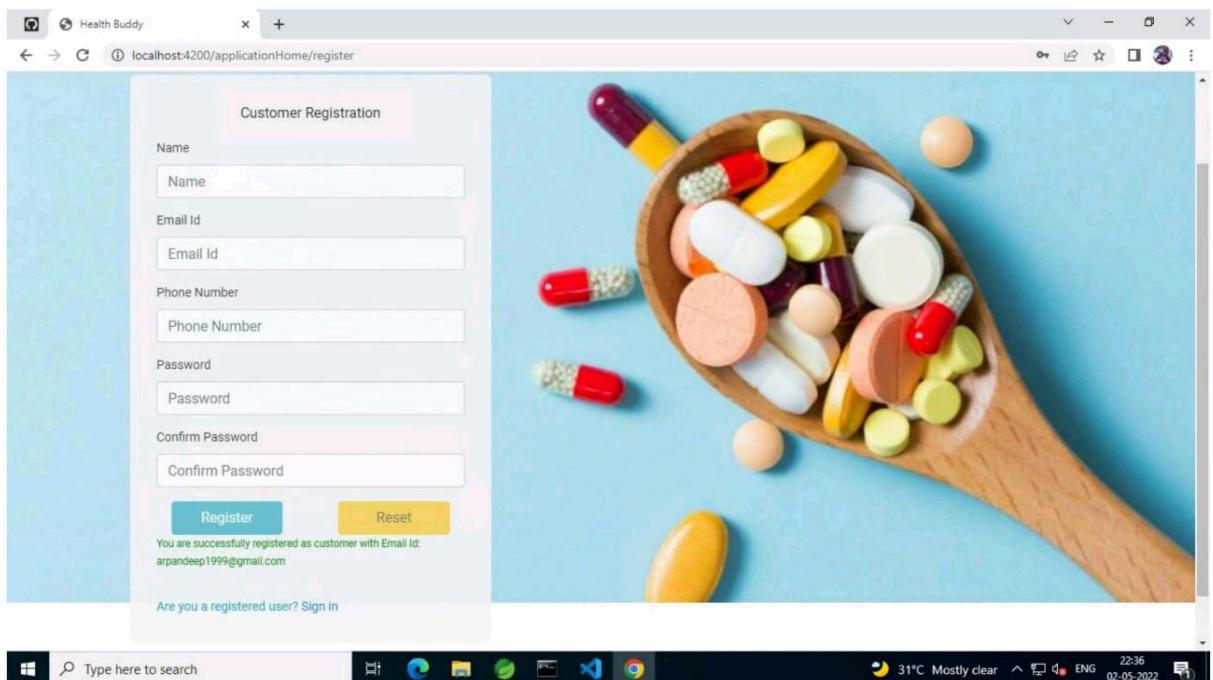


Figure.2

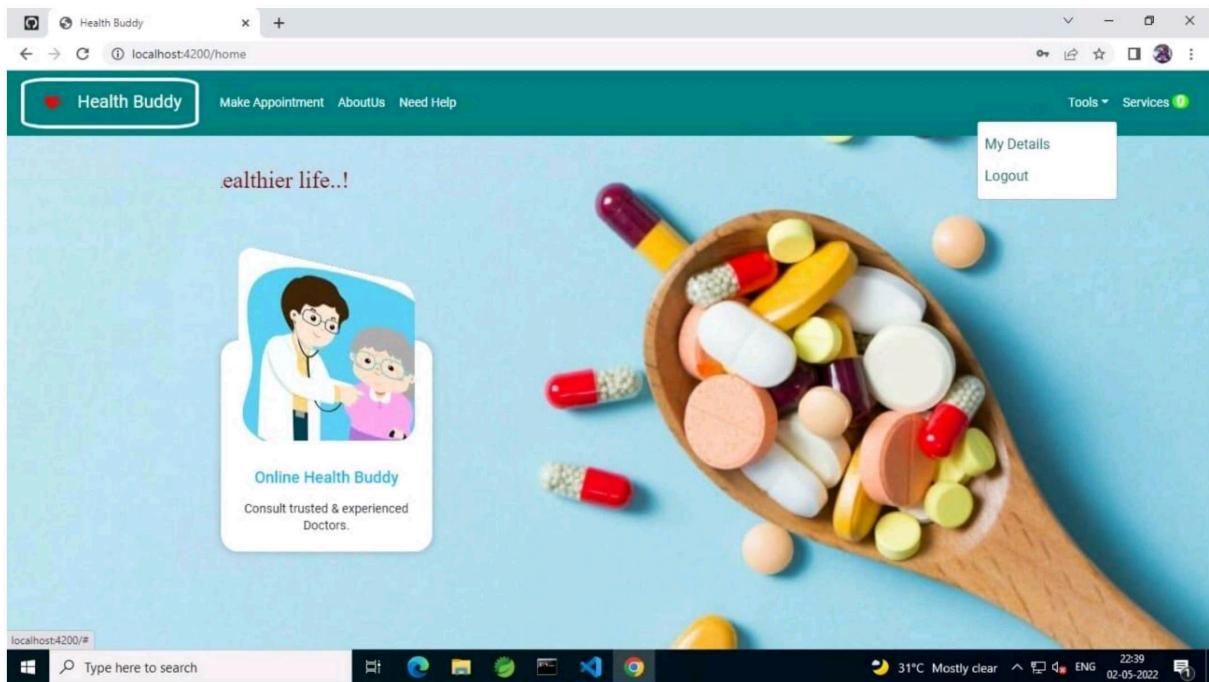


Figure. 3

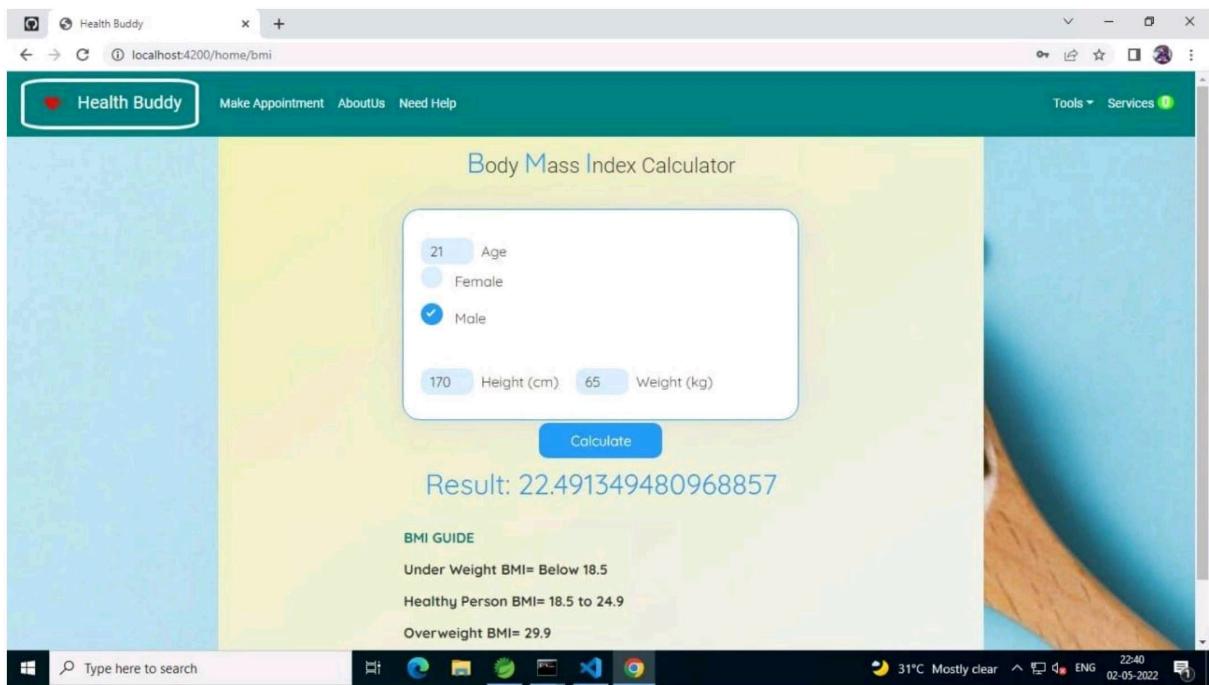


Figure 4

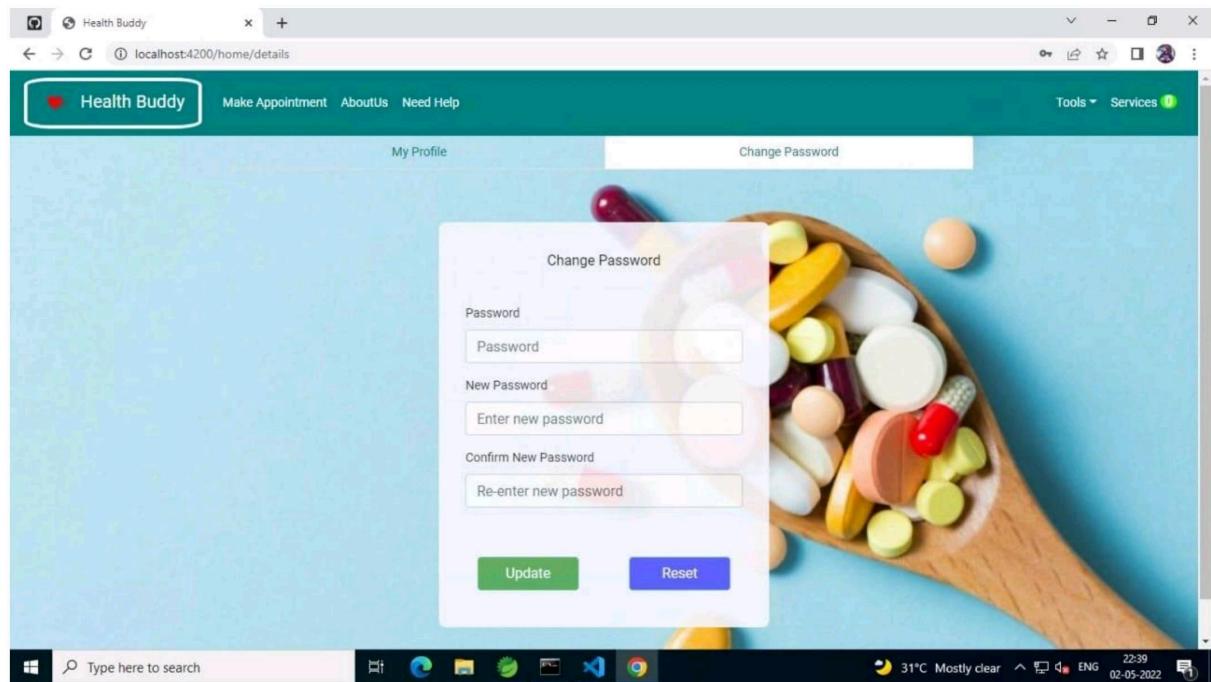


Figure 5

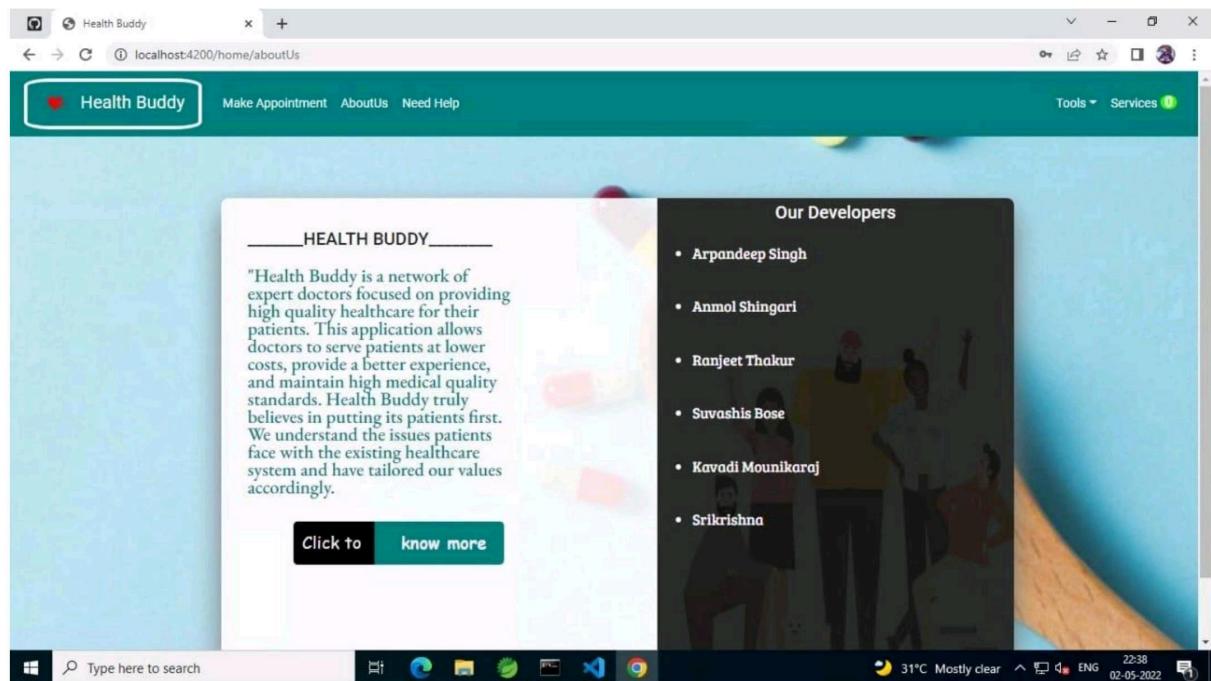


Figure 6

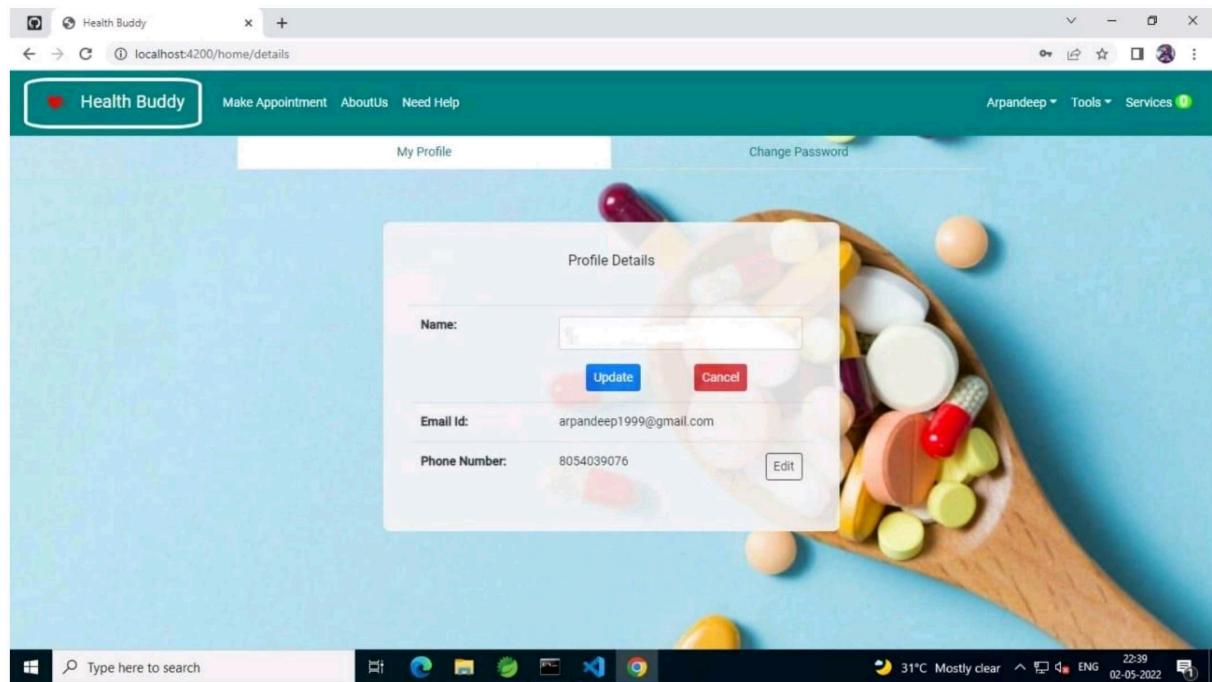


Figure 7

Chapter 6

Conclusion

6.1 Conclusion

Health buddy is the project we prepared in the Infosys internship duration .In this project we solve the problem related to health treatment facilities. Througout this project we learn new technologies for ex. Angular, spring boot and use of ide like Eclipse. Along with this we learn how to implement real life problem solution into software format.

Appendix :

All FPRs

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Ranjeet Thakur		Department	Cse	
Industry/Organization	Infosys LTD		Date/Duration	13 weeks	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				<input checked="" type="checkbox"/>	
Learning capacity/Knowledge up gradation				<input checked="" type="checkbox"/>	
Performance/Quality of work				<input checked="" type="checkbox"/>	
Behaviour/Discipline/Team work				<input checked="" type="checkbox"/>	
Sincerity/Hard work				<input checked="" type="checkbox"/>	
Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Pavithra S				
Signature of Industry Mentor					

Receiving Date		Name of Faculty Mentor		Sign	
----------------	--	------------------------	--	------	--

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Ranjeet Thakur		Department	Cse	
Industry/Organization	Infosys LTD		Date/Duration	13 weeks	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			✓		
Learning capacity/Knowledge up gradation			✓		
Performance/Quality of work			✓		
Behaviour/Discipline/Team work			✓		
Sincerity/Hard work			✓		
Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Pavithra S				
Signature of Industry Mentor					

Receiving Date		Name of Faculty Mentor		Sign	
-----------------------	--	-----------------------------------	--	-------------	--

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Ranjeet Thakur		Department	Cse	
Industry/Organization	Infosys LTD		Date/Duration	13 weeks	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Pavithra S				
Signature of Industry Mentor					

Receiving Date		Name of Faculty Mentor		Sign	
----------------	--	------------------------	--	------	--

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Ranjeet Thakur		Department	Cse	
Industry/Organization	Infosys LTD		Date/Duration	13 weeks	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Pavithra S				
Signature of Industry Mentor					

Receiving Date		Name of Faculty Mentor		Sign	
----------------	--	------------------------	--	------	--

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Ranjeet Thakur		Department	Cse	
Industry/Organization	Infosys LTD		Date/Duration	13 weeks	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	✓				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Pavithra S				
Signature of Industry Mentor					

Receiving Date		Name of Faculty Mentor		Sign	
----------------	--	------------------------	--	------	--

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Ranjeet Thakur		Department	Cse	
Industry/Organization	Infosys LTD		Date/Duration	13 weeks	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Pavithra S				
Signature of Industry Mentor					

Receiving Date		Name of Faculty Mentor		Sign	
----------------	--	------------------------	--	------	--