

Himanshu Agarwal

SOFTWARE ENGINEER

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EXPERIENCE

MediBuddy | JavaScript, TypeScript, NodeJs, ReactJs, AWS, SQL

Software Engineer - II | Jan 2021 - PRESENT, Bangalore

- Designed and Developed backend from scratch for MB Runnr platform which is order management solution for phlebotomists.
- Built various tools and API's to help simplify the order management process which is responsible for 90% of the total home visit bookings.
- Designed and Implemented services using AWS Lambda to reduce cost and maintainability.
- Developed various UI components in REACT and ANGULAR on the company's website.
- Built systems to help automate various routine tasks.

IIT Bombay | HTML, CSS, JavaScript, NodeJs, Azure

Software Engineer Intern | July 2020 - Oct 2020, Mumbai

- Managed and deployed on Azure 2 open source video conferencing system
- 2 open source video conferencing systems were Jitsi and BigBlueButton
- Integrated it's API's on a separate website which was built from scratch using NodeJS where users can start meetings and invite other people

Godrej Ltd | C++, Arduino, Raspberry Pi

IOT Engineer Intern | June 2019 - July 2019

- A prototype of detection of airflow was developed using IR Sensor and Arduino.
- This project used an IR sensor for detection if the fan is functioning or not. Arduino is programmed in such a way that when the fan is about to stop an alarm is sounded to alert that fan needs cleaning

EDUCATION

Mumbai University | Bachelor of Engineering

July 2016 - Oct 2020, Mumbai

Course - Electronics and Telecommunication

SKILLS

Languages: JavaScript, TypeScript, NodeJS, Python, HTML, CSS

Frameworks: ReactJS, Angular, Bootstrap, MaterialUI, JQuery, PyTorch, Keras

Database: MongoDB, MYSQL, ElasticSearch

Tools: Web Sockets, Redis, Kafka, SQS, Kibana, Jenkins, Serverless, S3

Cloud: AWS, Azure

Miscellaneous: Git, Data Structures & Algorithms, REST API, JIRA

PERSONAL PROJECTS

Single Sign On System from Scratch

- A Single Sign On System where the user has to log in only once to enjoy all the services on different websites.
- Tools used JavaScript, NodeJs, Json Web Tokens, HTML, CSS.

Twitter Clone from Scratch

- Built a Twitter Clone using MERN stack.
- Features - Sign up, Login, Publish Tweets, Tweet limit of 200 char, View Tweets, Like Tweets and Logout.

Real Time Chat App

- A web based chat application where people can create rooms and have conversations, also ability to see if the user is typing or is online or not.
- Tools used JavaScript, NodeJs, Web Sockets, HTML, CSS.

Diabetic Retinopathy Detection

- Fundus Images of Eye were taken and trained on Convolution Neural Network to identify if the person has Diabetic Retinopathy Disease which is one of the leading causes of blindness among Diabetic patients.
- Tools used Python, Keras, OpenCV, Numpy, Pandas.