Parvat Raj

ELECTRONIC AND TELECOMMUNICATION · SOFTWARE ENGINEER

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Experience

Jio Platforms Limited. *Mumbai RCP*

Software Development Engineer *May 2022 – Present*

- As a member of the trueConnect team at Jio, I was responsible for the development and maintenance of the Do-Not-Disturb (DND) and SMS services. I contributed to the **development of a comprehensive monitoring portal** that streamlined the management of user preferences, consents, and complaints, resulting in a **significant improvement in operational efficiency** and reduction in manual work. **Technology : Angular, Angular Material and Typescript**
- Collaborated with a retail IT team to develop an Additional Place of Business (APOB) portal tailored to their requirements, while also **performing unit tests and end-to-end tests** using Angular. Utilized technologies such as **Angular, RxJs and Bootstrap** to achieve project goals.

Ultra-Tech Laboratories Pvt. Ltd. *Durg, Chhattisgarh*

Software Engineer Intern *Jul 2020 – Jun 2021*

- Design and build remote temperature monitoring system for furnace **reducing system cost by 30%** by implementing open-source development kit.**Technology : C++, CSS and HTML, NodeMCU(ESP8266).**
- As a member of a collaborative team, I contributed to the design and development of software that enabled the reading of TLD badges. My key accomplishments include creating an animated graph to visualize real-time data and designing a bar code reader that significantly **reduced the complexity of manual data entry, resulting in a 20% increase in productivity**. Technologies utilized in these projects included **Python, Tkinter, ggplot, and OpenCV**

Project

Peer-to-Peer Video Chat App

Technology : JavaScript, WebRTC, STUN, ICE, Firebase

- Designed and developed a Peer-to-Peer video conference application using WebRTC protocol, and incorporated Firebase as the signaling server to facilitate the transfer of SDP offer.
- Proficient in utilizing WebRTC technology to facilitate seamless peer-to-peer audio and video communication on the web

Movie Recommendation System

Technology : Python, scikit-learn, Streamlit

- Developed a movie recommendation system by creating content-based algorithms, performing data cleaning and feature engineering, and utilizing scikit-learn library for vectorization and cosine similarity to build the model.
- Deployed an interactive WebApp with integrated model on Heroku

Grocery-Store Management WebApp

Technology : Python, HTML/CSS, JavaScript, MySQL

- Design three-tier web-application for grocery store management developed using Python REST APIs With Flask.
- Created user interface, build Rest API and design database schema.

Education

Bhilai Institute of Technology *Raipur, Chhattisgarh*

Bachelor of Technology in Electronic and Telecommunication, CPI: 7.4/10 *July 2016 – July 2020*

Coursework: Data Structures and Algorithms, Computation Structures, Operating System Engineering, Computer System Engineering.

Skills

Languages	C, C++, Python, JavaScript
Frontend	HTML, CSS, Bootstrap, React, Angular
Database	MySQL, MongoDB
Tools	Git, Linux, Vim, Agile

+ Extracurricular Activity

Smart India Hackathon *India*

Team Leader *Jun. 2010 - Jun. 2017*

- Designed and developed a working prototype for an ocean cleaning project that successfully advanced to the second round at a national hackathon.