Tanshul

SOFTWARE DEVELOPER · FULL STACK · CROSS PLATFORM

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Experience

Verizon *Software Developer*   *july/ 2024 - current*
- Worked on writing **microservices Spring Boot**, Java
- Used **React js** to build **Frontend**
- Worked with Apache MQ

Verizon *Software Developer intern*   *feb 22024- june 2024*
- Developed key components of the app using **React JS** for web, ensuring robust state management (**Redux**)
- Implemented a routing system (from scratch allowing dynamic and deep linking) .
- Developed **Machine Learning Model** from Scratch and hosted int on **Flask** Server then connected it to **Springboot** application to secure routing.

Education

9.71/10   **Chitkara University, Rajpura**, *B.Tech in Computer Science Engineering*   *2020-24*

Skills

Programming   C++, Java, JavaScript(+ Typescript), Python, Kotlin , Rust
Front End   NEXT js, ReactJS, Bootstrap, TailwindCSS, SCSS, HTML, CSS, Flask, Redux
Back End   Linux, Spring Boot, Express, Nodejs, Relational databases, SQL, MySQL, Web Services, RESTful APIs, Firebase, MongoDB,
Libraries & tools   Numpy, Pandas, Matplotlib, Scikit Learn, Selenium, Beautiful Soup, Git, Vim, Tensorflow , Machine Learning Algorithms

Projects

Financial Learning And Paper Trading Platform   *React Js, Express*
Full stack application for Web
- Used React js for frontend and Express js for backend services. Uses authentication, cloud storage, **CRUD** operations
- App registers courses, assists in learning new financial concepts, shows the real time status of stocks and provides analytics on the portfolio
- Allows Users to do paper trading And Track there preformanca.

Anomaly Detection System   *Machine Learning, Python, Flask*
ML model to based on data to detect anomaly or attack prone requests on a banking website
- Improves Security of the whole application.
- Uses **PCA** and
- Uses **Random Forest Classification** to classify transactions

Detecting Apple scab   *Python, ML*
An Python application to detect apple scab from a mobile photograph of an apple
- Developed an Neural network to detect apple scab
- Used

Hospital Management   *ReactJS, Node js, Redux*
- Used **Node Js** as inventory management, Appointment booking and tracking medical history of a patint to the doctor
- Uses **ReactJS** and **tailwindcss** in the frontend. Lets user book appointment and let doctors track of inventory and users medical history.

Achievements

2021   **Top 10 teams amongst 1000 participating**, New gen idec ideathon.   *India*
2023   **Winner** of hackathon to detect anomaly in real life data for fraud detection in banking transaction, Summit Coding Hackathon 2023
India
Ongoing   **500+ Problem Solved**, Across Coding platforms- Leetcode, Codeforces, Geeks for geeks, Coding Ninjas, Codechef   *India*