

# ANCHAL SINGH

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## Experience

### Rugged Monitoring

*Software Engineer 1 - Full Stack Developer*

June 2023 – Present

Hyderabad, Telangana

- Engineered backend services for the **RMEYE** asset monitoring platform, providing real-time asset health tracking and proactive maintenance for 1,000+ assets.
- Implemented real-time data streaming using **WebSocket**, **SignalR**, and **Redis Queues**, achieving sub-80ms latency for asset updates.
- Optimized parallel data processing using **dictionaries**, improving scalability in the **Asset Lifecycle Management (ALM)** module.
- Improved query performance by 40% through optimized **PostgreSQL**, enabling faster access to historical data for trend analysis.
- Built real-time UIs in **Angular** for asset health monitoring, enhanced with **SignalR** live data visualizations, leading to a 25% boost in operational efficiency.

### Logicwind, LLP

Dec 2022 – June 2023

Surat, Gujarat

*Front End Developer Intern*

- Developed **RESTful APIs** using **Node.js** and **Express.js**, managing data with **PostgreSQL** and **MongoDB**.
- Integrated **Jenkins** for **CI/CD automation**, streamlining build, test, and deployment processes.
- Implemented **JWT authentication** for secure API access and user management.
- Built dynamic, interactive UIs using **Angular** and **JavaScript**, ensuring seamless integration with backend services.

## Projects

### Online Shark Tank | *Flutter, Dart, Firebase*

Jan 2021

- Developed front-end for a cross-platform mobile app using **Flutter** and **Dart**.
- Integrated **Firebase Authentication** and **OAuth2** for secure login and password reset functionality.
- Implemented a chat panel using **FlutterFire** and **Stream Chat** supporting real-time messaging, image sharing, and search.

### Brain Tumor Detection | *Machine Learning, Streamlit*

Nov 2020

- Created a machine learning model for tumor detection in MRI scans using **Python** and deployed with **Streamlit**.
- Applied pre-processing and multiple ML algorithms to improve prediction accuracy.
- Ensured reliability through rigorous testing and debugging.

### Recipee App | *ReactJS, HTML, CSS*

Feb 2022

- Built a recipe search platform using **ReactJS**, styled with **HTML/CSS**.
- Integrated recipe APIs with search, filtering, and detailed display functionality.
- Collaborated using **Git**, following **Agile** methodology and version control best practices.

## Technical Skills

Languages: **Python, Java, C, HTML/CSS, JavaScript, SQL**

Developer Tools: **VS Code, Eclipse, Android Studio, Google Cloud Platform**

Technologies/Frameworks: **Linux, Jenkins, GitHub**

## Education

### Birla Vishvakarma Mahavidyalaya

Sep 2020 – May 2023

*Bachelor of Technology in Information Technology*

Anand, Gujarat

## Leadership / Extracurricular

### Sports

Sept 2020

*Gold Medalist in Table Tennis Singles, Silver in Kho-Kho Team*

PGP

- Completed **30 Days of Google Cloud** challenge in Cloud Engineering, Data Science, and Machine Learning (2021).
- Certified in **TCS ION Career Edge – Knockdown the Lockdown**.