

Banavath Mallikarjuna Naik

Software Engineer, Jio

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EDUCATION

- **Indian Institute of Information Technology Allahabad** Prayagraj, Uttar Pradesh
Bachelor of Technology - Electronics and Communication Engineering; CGPA: 7.91 2018 - 2022

EXPERIENCE

- **Jio Platforms Limited** Bangalore, India
Software Engineer July 2022 - Present
 - Developed a **real-time vehicle tracking page**, "live-track," to **monitor and display live location and health metrics** (DTE, RPM, speed, and temperature) for Hydrogen and FCEV vehicles.
 - Orchestrated the creation of high-performance **REST APIs**, leveraging **NodeJS** to capture real-time vehicle data, alerts such as DTE, speed, RPM, and temperature.
 - Integrated **MQTT functionality** to retrieve and monitor live vehicle data, enhancing real-time insights and system responsiveness.
 - Engineered an interactive front-end interface to display live vehicle alerts, using Angular to enhance real-time monitoring, leading to a **40% improvement in user satisfaction** and operational visibility.
 - Spearheaded the implementation of 20+ feature enhancements, ensuring consistent platform scalability.
 - Implemented **Google Maps** services across the project for fleet tracking and trip generation.
 - **Developed and integrated an SDK** using **OpenStreetMap (Leaflet)** to replace **Google Maps services**, significantly **reducing project costs**.
 - Played a **pivotal role** in adapting **Map features**, implementing the SDK, and performing **thorough testing** to ensure **seamless integration with product requirements across the multiple projects**.
 - Launched the **JioXplor Developer Portal**, enabling developers to **integrate mapping services** seamlessly, increasing **developer engagement** by 50% and streamlining access to advanced **geospatial APIs**.
 - **Developing the JioXplor B2C Maps** web page from scratch, with a focus on creating a user-friendly interface and ensuring robust functionality.
 - Developed a **script** to generate Excel reports that **benchmark API performance** against competitors, supporting data-driven insights for geospatial services.
 - Tech Stack : **NodeJS, TypeScript, Angular 10, MongoDB, MySQL, MQTT**.
- **Narvar** Bangalore, India
Engineering Intern Jan 2022 - July 2022
 - Spearheaded improvements to carrier tracking and **label generation systems**, driving a **20% reduction in system bugs** and enhancing performance across multiple carrier integrations.
 - Engineered **REST APIs** using **Spring Boot** to facilitate the seamless generation of **shipping labels** for various carriers.
 - Spearheaded the implementation of over 15+ enhancements across multiple carriers, automating tracking information updates for superior tracking capabilities.
 - Tech Stack : **Java, Spring Boot, MySQL**.
- **Zolve** Bangalore, India
Engineering Intern May 2021 - July 2021
 - Spearheaded the development of **REST APIs** dedicated to verifying user-uploaded documents for **KYC** purposes within the **Django** framework.
 - Leveraged **OpenCV, Amazon Comprehend, and Google Document AI** to enhance image text recognition and entity classification **accuracy by 90%**, accelerating document processing speed.
 - Successfully automated the traditionally manual document verification and validation processes.
 - Tech Stack : **Python ,Django**.

TECHNICAL SKILLS

- **Languages:** C++, typescript, Javascript, Java
- **Frameworks:** Django, Angular, SpringBoot, NodeJS.
- **Developer Tools:** VS Code, IntelliJ Idea, dbeaver, Git, Postman, Github, MQTT Box.
- **Datbase Management:** MySql, PostgreSQL, MongoDB.
- **DSA, OOPS, Operating System, DBMS**