**Ibrahim Ahmad Siddiqui** +91-8122774392

## B. Tech – Computer Science with AI & ML [sidibrahim1112@gmail.com](mailto:sidibrahim1112@gmail.com)

Vellore Institute of Technology, Chennai [GitHub](https://github.com/IbrahimAhmadSiddiqui) [LinkedIn](http://www.linkedin.com/in/ibrahim-ahmad-siddiqui-168633224)

SUMMARY

* **Versatile Software Engineer** with expertise in both **backend** and **frontend development**.
* Proficient in programming languages including **Java**, **Python**, and **JavaScript**.
* Extensive experience with **Spring Boot**, **AngularJS**, and **ReactJS** for building scalable, maintainable web applications.
* Strong hands-on knowledge of tools such as **Docker**, **Kubernetes**, **Git**, **Postman**, **New Relic**, and **Redis** for development and deployment. Skilled in working with databases like **MongoDB** (NoSQL), **MySQL**, and **PostgreSQL** (RDBMS).
* Expertise in **microservices architecture**, API development, and integrating complex systems.
* Capable of optimizing applications for **performance**, **scalability**, and **maintainability** while ensuring robust user experiences. Developed full-stack applications from scratch, ensuring seamless interaction between frontend and backend.

**EdUCATION**

* **B. Tech** in Computer Science with AI & ML – Vellore Institute of Technology, Chennai CGPA: 8.85 | 2020-2024
* **Senior Secondary** – CBSE Board Percentage: 95.6% | 2020 **Secondary** – CBSE Board Percentage: 93% | 2018

**ExPERIENCE**

* **Yubi (Spocto) - *Software Engineer*** M*arch 2024- Ongoing*

BackEND DEVELOPMENT

* + Field Service: Led the development of **a Spring Boot-based Field Service platform** that transformed a legacy system into a robust loan agent recovery solution for various public sector units (PSUs) like **UBI, CBI, and BOM.** The system was designed to handle up to 10 million monthly debt recoveries, optimizing for both scalability and maintainability. Technologies used included **MySQL, Redis, Kafka, and AWS**, ensuring smooth and improved recovery processes.
  + Report Service: Designed and developed a Report Service that generated key business insights for the loan recovery process, including agent performance and location deviation reports. The service **utilized Criteria Builder queries in Spring Boot and JPA**, producing accurate CSV reports that were critical for data analysis and decision-making.
  + Hierarchy Service: Built a Hierarchy Service to manage user hierarchies within the organization. This service allowed for the management of user relationships and facilitated data access control based on the organizational structure. It was developed using **Spring Boot, Java, and SQL**, ensuring secure and efficient data handling.

## Frontend Development

* + - ReactJS Development: Demonstrated expertise in building dynamic and responsive web applications using **ReactJS and modern hooks**. Utilized **React Sagas** for managing side effects and asynchronous operations, making the applications more efficient and easier to maintain.
    - State Management: Implemented advanced state management using **Redux Slice** for scalable and maintainable state handling across various components. This approach streamlined the process of managing application state and improved the overall performance of the frontend.
    - Phoenix Components: Developed **custom UI components using Phoenix** for seamless integration with the frontend, enhancing the user experience by providing intuitive and highly interactive features.

**-Al-Qaryan International** - *Trainee* Aug *2023- Oct 2023*

* + - Focused on predicting and forecasting the prices of goods and commodities traded. Worked on data visualization data.

**-SDS Gems**- *Back-End Intern* July *2023- Aug 2023*

* + - Developed a Content Management System (CMS) for SDS Gems using the Django framework, designing and implementing multiple models and their interdependencies to enhance the CMS's functionality and efficiency.

**PROjECTS**

* + - **Eye Tracking Game**: A Unity-based game designed to help autistic children improve attention and concentration, with progress monitored through gaming analytics and analyzed using Data Analytics and OpenCV.
    - **Waste Management System:** A drone-powered system that uses deep learning to classify and identify waste, automatically

notifying authorities for management.

* + - **Real-Time Violence Scene Analysis:** A deep learning model integrated with CCTV footage to detect violent incidents in real-time, triggering alarms for immediate response.

# technical Skills

* + - **Programming languages**: C/C++, Java, JavaScript, Typescript, Python
    - **Backend Engineering**: Spring Boot, NodeJS, RESTful APIs, Microservices Architecture, Kafka, Flyway, Thyme leaf, Mockito, JUnit, Spring Batch, HLD, LLD
    - **Frontend Engineering**: HTML, CSS, Bootstrap, ReactJS, Redux Saga, React Context API
    - **Database management**: MySQL, MongoDB, SQLite, Realm
    - **Tools**: Git, Docker, Jenkins, Argo CD, AWS

# Certifications

* + - * **AWS Cloud Practitioner** – 2024
      * Artificial Intelligence Analyst – IBM, 2023
      * Azure AI Fundamentals – Microsoft, 2023
      * Applied Data Science Powered by Google Developers – Google Developers, 2023
      * Machine Learning to Deep Learning: A Journey for Remote Sensing Data Classification – ISRO, 2022
      * Data Science Track – Edufabrica, Civil Conclave IIT Roorkee, 2022 || Machine Learning Training – IIIT Allahabad, 2022