Ibrahim Ahmad Siddiqui

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B. Tech – Computer Science with AI & ML
Vellore Institute of Technology, Chennai

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TECHNICAL SKILLS

- **Programming languages**: C/C++, Java, JavaScript, Typescript, Python,, ABAP
- **Backend Engineering**: Spring Boot, NodeJS, RESTful APIs, Microservices Architecture, SAP ABAP Development
- **Frontend Engineering**: HTML, CSS, Bootstrap, ReactJS, Redux Saga, React Context API
- **Database management**: MySQL, MongoDB, SQLite, Realm
- **Tools**: Git, Docker, Jenkins, Argo CD, AWS

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*
March 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..** Integrated **SAP ABAP programs** to enhance reporting capabilities. 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.Implemented changes that increased recovery efficiency by 35%.
- 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, and SAP ABAP,** producing accurate CSV reports that were critical for data analysis and decision-making, improving data retrieval efficiency by 40% and reducing manual reporting time by 75%.
- 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.Reduced hierarchy management overhead by 50% and improved data access security by 60%.

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, boosting application responsiveness by 30%.
- 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, leading to a 25% reduction in state-related bugs.
- 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.. These enhancements increased user engagement rates by 20%.

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

- Focused on predicting and forecasting the prices of goods and commodities traded. Developed forecasting models that improved prediction accuracy by 15%. 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.The system improved content management speed by 25% and reduced data redundancy by 30%.

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. The game increased concentration span in users by 20% over a 6-month trial period, a 95% accuracy rate in attention tracking.
- **Waste Management System:** A drone-powered system that uses deep learning to classify and identify waste, automatically notifying authorities for management.This system reduced waste identification time by 40% and improved classification accuracy to 92%, leading to a 30% improvement in overall waste management efficiency.
- **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.The system achieved a 90% detection accuracy rate and reduced response time by 50%, significantly enhancing security measures in monitored areas.

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