Om Ambarkar

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EXPERIENCE

TIAA   July 2023 – Present
Analyst Full Stack Software Developer   *Pune*
- Re-engineered core application with Spring Boot, achieving **45% latency reduction** and improving performance.
- Automated key manual processes, **reducing processing time by 40%** and enhancing operational efficiency.
- Modernized backend with latest tech stack (**Spring, AWS, MongoDB, Postgres**), supporting agile, high-speed data handling.

Larsen & Toubro - Electronics & Automation   March 2023 – July 2023
Software Developer Intern   *Mumbai*
- Worked on the SMARTCOM Power Management System(PMS) Mobile Application.
- The app facilitated data exchange and push notifications through communication with the REST API.
- **Enhanced user productivity by 30%** by minimizing the need for frequent system checks, Automating alerts for timely, informed decisions.

Zensar   June 2021 – August 2021
Software Developer Intern   *Pune*
- Developed a **FastAPI** backend to manage and process employee performance data, including task completion rates, feedback scores with integration of **JWT auth** & visualized using **Plotly** or **Chart.js** using **React Js**.
- **Collaborated with the HR team** to ensure the API met their reporting and data analysis needs.

PROJECTS

Dentolearn | *Frontend:* **React, Flutter** ; *Backend:* **Spring Boot** ; *Database:* **MongoDB**
- Developed a full-stack mobile application using with Spring boot serving a REST API with Flutter and React as the frontend. **Live on Google Playstore with 200+ Active users.**
- Integrated payment gateway for premium access and hosted the app on AWS for scalability and security.
- Utilized MongoDB for flexible, scalable data storage, supporting dynamic educational content.

Forest Fire Predictor | *Python, Pandas, ReactJS*
- Developed a machine learning-powered forest fire prediction system with an **impressive accuracy of 98%**.
- Utilized **Python** and **Pandas** for data processing and model development.
- Frontend built using **ReactJS** for interactive visualization and user interface.

TECHNICAL SKILLS

Languages: Java, Python, C, Dart, JavaScript, SQL, NoSQL, HTML, CSS
Frameworks: Spring Boot, ReactJs, Flask, Django, Hibernate, FastAPI
Technologies: Docker, UNIX, Git, GitHub, AWS (EC2, S3, DynamoDB), Jenkins, CI/CD Pipelines, JPA, JWT
Databases: MongoDB, PostgreSQL, DynamoDB

HIGHLIGHTS

- MindSpark Hackathon 2021 Winner.
- HACKER-RANK international rank under 9200.
- Entrepreneurial, analytically creative, excellent communication skills, experience in financial markets

EDUCATION

- B.Tech in Computer Science and Engineering 2019 - 2023

CERTIFICATIONS

- Certified AWS Developer – Associate DVA-C02