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Amit Maindola

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EDUCATION

Bachelor of Technology (Computer Science & Engineering), Indian Institute of Technology, Mandi November 2020 - June 2024
Senior Secondary, Jawahar Navodaya Vidyalaya Dhar, MP [91.8%] April 2019

WORK EXPERIENCE

UKG (Ultimate Kronos Group), Noida **July 2024 - Present**
Software Engineer *Java, Spring, LangChain, Agentic AI, MCP, Splunk, Datadog*

- Worked on WFM Pro (Workforce Management), focusing on debugging and resolving customer-reported defects to enhance platform stability and performance.
- Developed AI Agents, automating common employee & manager queries and streamlining WFM workflows.
- Conducted R&D on machine learning algorithms for clustering logged errors, prioritizing incidents, and detecting anomalies in production environments to enhance issue resolution efficiency by 95%.
- Achieved 90%+ effort savings via AI task automation; selected in top innovations among organization and presented to CTO, CPO, and CEO.
- Developed integration failure detection algorithms, proactively resolving 70%+ incidents before customer impact.
- Utilized Splunk and Datadog for real-time monitoring, log analysis, and issue diagnosis, improving incident resolution efficiency.
- Regularly worked with Java, Spring, and JPA, developing and maintaining backend services.

Ace Engineering Academy, Hyderabad **January 2023 - June 2023**
SDE Intern *React, Next JS, Redux*

- Developed Content Management System and Online Test Series platform, supporting 100k+ concurrent users.
- Built AI agent resolving 80%+ of support concerns autonomously.
- Consistently engaged in code refactoring, React development, and performance enhancements.

UMA Robotic Technology, Remote **October 2022 - January 2023**
SDE Intern *React, Node, MongoDB, React Native*

- Created a commercial application **RoboViz** to navigate, manage control the robots present in a warehouse.
- A user interface for robots manufactured by **UMA Robotic Technology**.
- Integrated real-time communication using web sockets to ensure live updates on robot movements and status.

PERSONAL PROJECTS

Plant Disease Detector **GitHub Link | Live**
Convolutional Neural Network *Deep Learning, CNN, Tensorflow, Python*

- Generated a CNN model to predict the disease in a potato plant, using the image of the leaf of the plant.
- Tested several combinations of augmentations, parameters, and techniques, and achieved 98.7% accuracy.
- Imported model in fast-API server & deployed the **API** on Google Cloud using **Docker image**.
- Developed the front end in React, & hosted the production build on **GitHub**.

KrishiMitra - Farmer's Buddy **GitHub Link**
Pan IIT Global Virtual Technology Summit 2021 *HTML, CSS, JS, PHP, MySQL*

- Developed an application for farmers and merchants to find the best deal.
- Implemented chatting between users, for ease of communication.
- Fetches data from OpenWeatherMap's API to get the weather details & forecasting.

SKILLS

Technologies Java, Spring, Hibernate, C++, Python, JavaScript, Node, React, MySQL, LangChain, Agentic AI, MCP
Tools Git, Docker, Jenkins, Datadog, Splunk, Linux

AWARDS & ACHIEVEMENTS

Secured rank in the top 0.3% among 1.2 million candidates who participated in the JEE 2020. 2020
Finalist in PAN IIT Hackathon 2021. 2021
Winner in Frosthack Hackathon 2022. 2022
Google cloud program - Cloud computing & Machine Learning. 2021

POSITIONS & RESPONSIBILITIES

Teaching Assistant for CS-207 (Applied Databases Practicum) course [August 2022 - December 2022]
Web Developer - Astrax'22, Ruvan'22 & Yantrik Club - IIT Mandi