DILEEP KUMAR LATCHIREDDI

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EDUCATION

Master of Science, Computer Science, George Mason University — Aug 2022 - May 2024

Bachelor of Technology Information Technology, ANITS — Aug 2015 - May 2019

SKILLS

Programming	C++, C, Java, Python
Web Technologies	JavaScript, TypeScript, ReactJS, Next JS, Express JS, Node JS, Tailwind
Software/Tools	Git, CloudFlare, Prisma ORM, Linux, Docker, SQL, Postman, AWS, Vercel
Database	MySQL, PostgreSQL, MongoDB

WORK EXPERIENCE

Software Engineer, Virtusa — Sep 2020 - June 2022

- Spearheaded the integration of cutting-edge fraud and risk detection algorithms for transactional operations, collaborating with a cross-functional team of six. Bolstered transactional security and risk management, improving fraud detection by nearly 15%.

- Conducted in-depth codebase analysis and re-implemented encryption and decryption procedures on sensitive data like SSN, banking accounts, and mobile numbers. Developed an automated unit testing framework using Spring Boot, diminishing manual testing efforts by 60% .

Software Engineer, OYO — June 2019 - Sep 2020

- Identified and resolved several P0 and P1 issues in Oyo bookings by inspecting logs, monitoring tools like Grafana, and implementing relevant code fixes. Successfully resolved 90% of Level 2 issues independently, through effective troubleshooting skills.

- Created Hotel Audit/Cost calculation logic which involved maintaining 1000s of rules related to hotel items and pricing logic across multiple geographies, resulting in the automation of 60-80% of manual work.

- Collaborated on a new lead-to-live process, streamlining hotel onboarding across multiple geographies, reducing onboarding time from 2-3 weeks to 2-3 days.

Software Engineer Intern, Prometheus IP — May 2018 - Jul 2018

- Successfully developed the patent Portfolio backend, enabling the platform to manage portfolios efficiently.

- Coded single-page applications using NodeJS and RESTful APIs using ExpressJS, and Ensured data accuracy, and integrity in the PostgreSQL, reducing errors by 70% and enhancing the overall user experience

PROJECTS

Blog App ⍟: Built a blogging app using React, TypeScript, Prisma ORM, PostgreSQL, JWT authentication, and CloudFlare deployment. Implemented serverless backend with connection pooling for scalability and robust validation.

Payment Application ⍟: Developed a full-stack application integrated with AWS EC2 and MongoDB, incorporating features such as data validation, authentication, session management, and built using Node.js, Zod, JWT, Axios and React.

HQEnsemble: Engineered a novel Hierarchical Pruning Technique for Ensemble models, integrating focal diversity metrics for improved accuracy and efficiency, reducing training time by up to 40% while maintaining a 40-80 performance gain.

LEADERSHIP AND TEACHING

- As a GTA for Introduction to Problem Solving using Java course with 60+ students, delivered constructive feedback, conducted grading, and pinpointed areas of enhancement, resulting in improved class performance.

- Mentored juniors , providing guidance and support for their professional development and growth within the organization.