Akhil Sai Boppudi

Full Stack Developer

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Summary

Driven and innovative graduate with hands-on experience in web and backend development. Demonstrated ability to deliver high-quality projects, including a field sales tracking web app. Strong proficiency in JavaScript, Python, React, and various other technologies. Complemented by a keen interest in self-development and leadership roles.

Skills

Python · JavaScript · Java · C/C++ · MySQL · PostgreSQL · MongoDB · Next.js · Django · Flask · Springboot · React · Express · Numpy · Pandas · Matplotlib · Ollama · OpenAI · LangChain · Git · GitHub · Docker · Postman · GitHub Actions · Terraform

Experience

Drishya Ai, Software Intern — Vizianagaram — Sep 2024 – Present

- Engineered a monitoring system for AWS Lambda functions using AWS Xray and aws-sdks, achieving real-time performance tracking and cost optimization
- Developed AWS Step Functions replicas using Node.js and AWS SDK, reducing testing costs by 5%
- Implemented automated alerting system for service latency and failures, cutting downtime by 15% through proactive maintenance

Nviri Solutions, Full Stack Intern — Remote — Jan 2024 – Sep 2024

- Designed and implemented an interface for customers to create WhatsApp templates directly within the product, reducing template creation time by 40% and cutting reliance on external tools by 100%.
- Developed a feature allowing businesses to automate customer chats using predefined messages and seamlessly take over conversations, increasing customer engagement by 25%.
- Built and optimized CI/CD pipelines, automating deployments and reducing deployment time by 35%, leading to more reliable and faster project delivery.reliability.

Education

B.Tech Jawaharlal Nehru Technological University Gurajada Vizianagaram — GPA: 8.0 — Oct 2021 – Present
Computer Science

- **Coursework:** Computer Architecture, Computational Theory, Software Design, Compiler Design, Operating Systems, Database Management Systems, Data Structures and Algorithms, Linux Environments

12th Sri Chaitanya Junior College — 96 % — Jun 2019 – May 2021

SSC Sri Chaitanya International School — 91 % — Jun 2018 – May 2019

Projects

Course Application Website — github

- Developed a web application for student course registration, enabling users to apply for honors and minor courses.
- Developed backend functionalities to handle course registration, user authentication, and data management.
- Integrated real-time validation and error handling to enhance user experience.

Multiplayer Chess Game — github

- real-time multiplayer chess game using TypeScript, WebSockets, and React, enabling online gameplay between users.
- Implemented interactive and responsive UI components, ensuring a smooth user experience across devices.
- Integrated WebSocket-based game state synchronization for instant updates and rule enforcement during gameplay.

Compiler for C — github

- Developed a C compiler that supports conditional and iterative statements for efficient code execution.
- Gained a strong understanding of computer architecture concepts, including assembly language.
- Acquired expertise in code optimization and proficiency in various parsing techniques in compiler design.