Mokkapati Naga Sai Saahil

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SUMMARY

Aspiring IT and Software Engineering professional with a focus on IoT and software solutions. Proven expertise in software development, project management, and innovative problem-solving. Adept at Python, C++, JavaScript, and cloud services. Seeking a managerial or developmental role to leverage skills in advancing technology-driven solutions.

EXPERIENCE

Software Engineering Intern   May 2023 – Aug 2023
Tech Innovators Ltd.   *Hyderabad, India*
- Assisted in developing a **cloud-based inventory management system** using AWS
- Collaborated with a team to implement **RESTful APIs** and optimize system performance
- Conducted **testing and debugging** to ensure application reliability and efficiency

PROJECTS

Smart Home Automation System   Jan 2023 – Present
IoT Project   *Python, Raspberry Pi, AWS IoT*
- Designed and implemented a **smart home system** integrating various sensors and devices
- Developed a **web dashboard** for real-time monitoring and control using AWS IoT
- Enabled **voice control** features through integration with Amazon Alexa

Real-time Chat Application   Sep 2022 – Dec 2022
Full-Stack Development   *JavaScript, Node.js, WebSocket, MongoDB*
- Created a **real-time chat application** with user authentication and messaging features
- Implemented WebSocket for **live communication** and MongoDB for data storage
- Deployed the application on Heroku for **public access**

ACHIEVEMENTS

- **AWS** Certified Solutions Architect - Professional & **Microsoft** Certified - Azure IoT Developer Specialty
- **Top 1%** in HackerRank CodeSprint Challenge (C++)
- **Winner** of the "Best IoT Hack" at the University Hackathon

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript, SQL

Databases: MySQL, MongoDB, PostgreSQL

Web Technologies: HTML, CSS, React, Node.js

Cloud Computing: AWS , Google Cloud Platform

Tools & Platforms: Docker, Git, AWS, Azure

Frameworks & Libraries: React, Node.js, Express.js, Flask

IoT Development: Raspberry Pi, Arduino, MQTT

Version Control: Git, GitHub, GitLab

Leadership & Teamwork: Collaboration, Mentoring

Agile Methodologies: Scrum, Kanban, Jira

EDUCATION

University of Cumberland   America
B.S. in IoT & Software Engineering   *Aug 2019 – May 2023*

KLU University   Vijayawada, India
B.Tech in IoT & Software Engineering   *2019-2023*