Niranjan S

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Professional Summary

Aspiring Software Engineer with proficiency in Java, Python and a strong foundation in Data Structures and Algorithms (DSA). Experienced in AWS cloud services, database management systems (DBMS), and web technologies (HTML, CSS, JavaScript). Skilled in developing scalable software, serverless applications, and AI-driven workflows. Recognized for problem-solving, teamwork, and delivering impactful projects in both academic and real-world settings.

Education

B.E. in Electronics and Communication Engineering
Karpagam Institute of Technology, Coimbatore, Tamil Nadu
2023-2027
CGPA: 8.27

Technical Skills

Programming: Java, Python, C, Golang
Web: HTML, CSS, JavaScript
Cloud: AWS
Tools: Git, VS Code, IntelliJ
Soft Skills: Problem Solving, Communication, Team Leadership

Projects

Thermal-Equipped Disaster Response Drone
Raspberry Pi — Pi Camera — GPS Module — Python

- Built a low-cost drone system with thermal imaging to locate disaster victims trapped under mud or debris.
- Implemented GPS-based navigation and live imaging for accurate search-and-rescue operations, showing strong potential for post-disaster relief efforts.

AWS Serverless Portfolio Website
Amazon S3 — Lambda (Python) — API Gateway — DynamoDB

- Developed and deployed a personal portfolio website on AWS using a serverless architecture.
- Integrated a serverless contact form with Lambda, API Gateway, and DynamoDB for real-time message storage and retrieval.
- Demonstrated skills in cloud deployment, scalability, and cost-effective architecture design.

Certifications

- Software Developer – Product Development (v3.0) – NASSCOM FutureSkills Prime
- Problem Solving (Basic & Intermediate) – HackerRank
- AWS Cloud Practitioner Essentials – AWS, 2024
- Introduction to Databases – NxtWave CCBP 4.0 Academy, July 2025
- Programming Foundations with Python – NxtWave CCBP 4.0 Academy, July 2025
- Build Your Own Responsive Website (Bootstrap, Flexbox) – NxtWave CCBP 4.0 Academy, July 2025
- MCP Project – Model Context Protocol (Cursor IDE, Pipedream, MCP Servers, AI Workflows) – NxtWave CCBP 4.0 Academy, Aug 2025

Achievements

- Participated in 10th International Conference on Electrical Energy Systems (ICEES), August 2024