Saravana Krishnan J

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Profile Summary

Pre-Final Year **Information Technology student** and **AWS Certified Developer – Associate and Cloud Practitioner** with a strong foundation in **Cloud Computing, DevOps, and Software Engineering**. Demonstrated hands-on expertise through multiple AWS-based POCs, automation projects, and open-source contributions. Passionate about designing scalable cloud solutions, improving system performance, and continuously learning new technologies.

Education

St. Joseph's Institute of Technology, Chennai　　　　　　　　　　　　　　　　　　　*2023 – 2027*
B.Tech in Information Technology — CGPA: 8.80 — Specialization: Cloud Computing and DevOps

Velammal Matriculation HSS, Chennai　　　　　　　　　　　　　　　　　　　　　　*2021 – 2023*
Higher Secondary Education — 86.67%

Projects

Smart Medicine Reminder System (MediCare Plus)　　　　　　　　　　　　　*Aug 2025 – Present*
AWS Lambda, API Gateway, DynamoDB, SNS, EventBridge, S3, Terraform

- **Developed** a serverless healthcare application to automate medicine reminders and caretaker notifications using AWS services.
- **Implemented** event-driven scheduling with EventBridge, achieving a 100% timely notification success rate.
- **Automated** infrastructure deployment using Terraform, reducing manual setup time by 85%.
- **Secured** patient data via DynamoDB with IAM-based access control policies.

Mock Interview Assistant (RecruitAI Pro)　　　　　　　　　　　　　　　　　*Sep 2025 – Present*
React, Amazon Q, Amazon Textract, MCP, Jooble API, Web Speech API, AWS CLI, Node.js

- **Engineered** an AI-powered mock interview platform providing real-time speech recognition and automated evaluation feedback.
- **Integrated** Amazon Q for dynamic role-specific question generation and MCP for multi-dimensional candidate scoring.
- **Optimized** job recommendation accuracy from 70% to 98% using a hybrid Jooble API + MCP-based filtering approach.
- **Enhanced** system reliability through a fallback mechanism combining AWS SDK, Amazon Q CLI, and a local knowledge base.

Key Skills

- **Cloud & DevOps:** AWS (EC2, Lambda, S3, API Gateway, DynamoDB, SNS), Docker, Terraform
- **Programming:** Java, SQL
- **Tools & Platforms:** Git, GitHub, AWS CLI, Linux
- **Soft Skills:** Problem-Solving, Analytical Thinking, Continuous Learning, Collaboration, Time Management

Certifications

- AWS Certified Developer – Associate (DVA-C02), *2025*
- AWS Certified Cloud Practitioner (CLF-C02), *2025*
- Git Foundations — GitHub, *2025*

Achievements & Activities

- **Secured 3rd Place** in the Amazon Q CLI Challenge at AWS Student Community Day 2025, Chennai (Prize: Rs. 13,500).
- **Achieved 1st place** in Human Calculator & **Runner-up** in Math Hackathon (SIMATS).
- **Active contributor** on GitHub — published 30+ cloud-based POCs demonstrating AWS and DevOps automation.
- **Consistent coder** on LeetCode & GeeksforGeeks with strong focus on Data Structures & Algorithms.