Mahesh Bhoopathi Rao

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Summary

Recent B.Sc. IT graduate with hands-on experience in AWS cloud deployments, CI/CD automation, and DevOps tools. Skilled in troubleshooting infrastructure, securing environments (firewalls, VPNs, IDS/IPS), and Python scripting for automation. Passionate about supporting scalable, secure systems through proactive technical support and continuous learning.

Skills

Cloud & DevOps Tools:	AWS (EC2, S3, DynamoDB, Lambda, IAM, Security Groups, CloudFormation), Docker, Kubernetes, GitHub Actions, Jenkins, Terraform, Ansible
Monitoring & Security:	Prometheus, Grafana, Firewalls, VPNs, IDS/IPS
Programming & Automation:	Python (Scripting & Automation), Shell Scripting, JavaScript, SQL, Swift
Other:	Linux Administration, Git, Networking (IP, Load Balancers)

Education

National College, Tiruchirappalli   Jun 2022 – Jun 2025
Bachelor of Science in Information Technology

- Relevant Coursework: Object-Oriented Programming, Databases, Operations Research, Allied Maths M3, Data Structures and Algorithms, Operating Systems, Computer Networks, Python Programming

Projects

Static Website Hosting on AWS EC2

- Set up and hosted a static website using AWS EC2, demonstrating foundational skills in managing virtual servers.
- Managed AWS resources such as IAM, Security Groups, and S3 for secure and effective deployment.
- Gained hands-on experience in provisioning, configuring, and deploying cloud infrastructure.

CI/CD Pipeline with GitHub Actions + Docker + AWS

- Built Docker containers and automated image builds.
- Leveraged GitHub Actions to orchestrate CI/CD pipelines from code commit to deployment.
- Deployed to AWS (EC2/Elastic Beanstalk), achieving seamless integration and continuous delivery.

MoodPlay – AI-powered Music App (SwiftUI + Spotify API)

- Developed an iOS music streaming app using SwiftUI and Spotify API integration.
- Designed an engaging UI/UX and implemented API calls to fetch and play music dynamically.

Certificates

AWS APAC Solutions Architecture Virtual Experience Program (Forage)   Sep 2025
Designed scalable Elastic Beanstalk architecture with cost modeling—directly relevant to multi-cloud strategies.

Deloitte Australia Technology Job Simulation (Forage)   Aug 2025
Completed coding tasks and proposed client dashboard solutions for operational efficiency.

Security Blue Team – Introduction to Python   2025
Developed a network port scanner using Python for vulnerability detection and scripting.

DevOps Masterclass – Udemy   2025
Covered CI/CD, automation, cloud, and containerization—focusing on tools like Jenkins, Docker, and Terraform.

Languages

Tamil (Fluent) • Malayalam (Fluent) • English (Fluent) • Hindi (Beginner)

Willing to relocate for the right opportunity.