

Mahesh Bhoopathi Rao B

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CAREER SUMMARY

- Recent **B.Sc. IT graduate** with strong foundations in Cloud Computing, DevOps practices, Networking, and Python programming.
- Knowledge of **firewalls, VPNs, IDS/IPS, and IP networking**, with hands-on exposure to configuring and monitoring secure environments.
- Skilled in **Linux administration**, AWS fundamentals, and automation tools, with academic and personal projects demonstrating cloud deployment and scripting.
- Proficient in Python for automation, data handling, and system tasks, with a keen interest in building scalable and secure cloud solutions.
- Passionate about starting a career in **Cloud Engineering, DevOps, and Security**, with strong problem-solving skills, adaptability, and a commitment to continuous learning.

SKILLS

Languages: Python , Swift , JavaScript, SQL

Technologies & Tools: AWS, EC2, DynamoDB, S3, Lambda, Elasticsearch, Kubernetes, Docker, GitHub Actions, Cloud-Formations, IAM, Security Groups

EDUCATION

National College ,Tiruchirappalli

Jun 2022 - Jun 2025

BSC in Information Technology

CGPA: 7.18/10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Python Programming,

PROJECT WORK

- **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** to ensure secure and effective deployment.
 - Gained valuable experience in provisioning, configuring, and deploying infrastructure in a real-world cloud environment.
- **CI/CD Pipeline with GitHub Actions + Docker + AWS**
 - Built **Docker containers** and automated image builds.
 - Leveraged **GitHub Actions** to orchestrate CI/CD pipelines, streamlining the process from code commit to deployment.
 - Deployed to an **AWS environment** (EC2/Elastic Beanstalk), achieving seamless integration.
- **MoodPlay – AI-powered Music App (SwiftUI + Spotify API)**
 - Created a music streaming app named **MoodPlay** using **SwiftUI**, focusing on iOS-friendly UI/UX.
 - Integrated with the **Spotify API** to fetch and play music, showcasing ability to work with third-party APIs and frameworks.

AWARDS & CERTIFICATES

- **AWS APAC Solutions Architecture Virtual Experience Program (Forage)** *Sep 2025* Designed a scalable hosting architecture on **Elastic Beanstalk** and explained architecture & cost model to client.
- **Deloitte Australia Technology Job Simulation (Forage)** *Aug 2025* Completed coding tasks and proposed a solution for creating a client dashboard.
- **Security Blue Team – Introduction to Python 2025** Gained hands-on experience in **Python, IDEs, and scripting**; built a **network port scanner** to enhance security skills.
- **DevOps Masterclass – Udemy** *53.5 hours* Completed an extensive DevOps masterclass covering CI/CD, automation, cloud, and containerization.
- **Hardware & Networking – Systech** *May 2018* Completed hands-on training in hardware and networking fundamentals.