

# Shanmukha Vutikuri

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Shanmukha Vutikuri-LinkedIn | Shanmukh's-GitHub

## Summary

AI enthusiast with hands-on experience in prompt engineering, cloud computing, and automation using AWS and IoT. Passionate about leveraging AI tools to build intelligent, scalable solutions that drive real-world impact.

## Education

**Aditya Engineering College**, BTech in Electronics and Communication Engineering Sept 2021 – May 2025

- CGPA: 6.93

## Skills

**Languages:** C, Python, SQL

**Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda, Amplify, SES/SNS, CloudFormation), Jenkins, Git, AWS CLI

**Soft Skills:** Analytical Thinking, Problem Solving, Attention to Detail, Collaboration, Communication.

## Experience

**Cloud Engineering Intern**, Brain O Vision – Remote June 2024 – Aug 2024

- Deployed and managed AWS infrastructure (EC2, S3, RDS, Lambda), achieving 20% cost savings by rightsizing instances and implementing lifecycle policies.
- Implemented secure IAM roles and VPC configurations to enforce least-privilege access, enhancing cloud security posture.
- Automated resource provisioning using CloudFormation scripts, reducing manual setup time by 40%.

**Cloud Computing Engineering Intern**, EXCELr EdTech Pvt. Ltd Dec 2024 – Apr 2025

- Provisioned and managed Azure VMs and AWS services (EC2, S3, RDS), completed end-to-end cloud deployments during a 16-week internship.
- Automated infrastructure as code using CloudFormation ARM; reduced setup time by 50
- Secured environments via IAM roles and VPC configurations, and integrated Jenkins/GitHub Actions CI/CD pipelines to reduce deployment errors by 30%.

## Projects

**Health AI Chatbot for Symptom-Based Medicine Recommendations** [Link](#)

- Built NLP chatbot with 92% accuracy for OTC suggestions; deployed via Flask/Docker on AWS (99.9% uptime).
- Tools Used: Python, Flask, scikit-learn, Docker, AWS EC2

**Automated Attendance Reporting System** [link](#)

- Built face-recognition-based system (95% accuracy) with SES emails and Lambda dashboards; saved 85% time.
- Tools Used: React, Node.js/Express, MongoDB, Face-API.js, AWS Lambda

## Certifications

- AWS Certified Cloud Practitioner | Oracle Certified Foundations Associate
- IBM: Data Analysis, SQL, Python for Data Science

## Publications

**IoT-Based Smart Occupancy and Energy Management System** May 2025  
Accepted to IEEE Xplore – Publication pending