

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

- Percentage: 69.3%

Skills

Languages: C, Python, SQL

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

AI & NLP: Prompt Engineering, Transformers, OpenAI API, GPT-3/4, Hugging Face

Analytics Tools: Microsoft Excel, PowerPoint, Word, Power BI, Google Workspace.

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

Experience (Internship)

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

- Deployed and managed AWS infrastructure (EC2, S3, RDS, Lambda), achieving a 20% cost savings by rightsizing instances and implementing life-cycle 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 the Azure VMs and the 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 the face-recognition-based system 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