Vasu Bhimani

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Education

Chandubhai S. Patel Institute of Technology - CHARUSAT   July 2023 - July 2026
B.Tech in Information Technology

Dr.S.&S.S.Gandhi College Of Engineering & Technology   June 2020 - May 2023
Diploma in Information Technology

Skills

Languages & Frameworks: Python, JavaScript, Flask, Node.js, Java, HTML, CSS, Shell Scripting, Bash
Databases: SQL, MySQL, MongoDB
Technologies & Tools: AWS, Linux, Docker, Terraform, Ansible, Kubernetes, Git, GitHub, GitHub actions
Certifications & Badges: AWS Solution Architect Associate, AWS Certified Cloud Practitioner, AWS Cloud Clubs Infrastructure Camper, AWS Academy Cloud Developing, Google Cloud Cybersecurity Certificate

Experience

Celebal Technologies   May 2025 - Ongoing
Cloud infra & Security intern   *Azure, Shell Scripting, Python*

- Gaining hands-on experience with **Azure networking** concepts, including **VNet peering**, subnetting, **NSG/ASG** configurations, and **provisioning virtual machines** in both Windows and Linux environments.
- Working on designing and implementing three-tier architecture, managing inbound/outbound **VM networking**, and configuring authentication and **VPN** solutions using **Azure AD**, **RRAS**, and encryption mechanisms.

DI Solutions   May 2024 - Jun 2024
Backend and Cloud intern   *AWS, Python, JavaScript, Flask, Git, GitHub*

- Developed scalable backend functionalities using **JavaScript** and **Flask** for web applications.
- Utilized **Git** and **GitHub** for version control, team collaboration, and code management, and explored various **AWS** services for deploying, securing, and managing scalable cloud infrastructure.
- Implemented **Docker**-based containerization and worked with **CI/CD** pipelines for automated application deployment.

Projects

InstantHost   - Ongoing
AI-Driven Cloud Deployment Automation Solution   *- Python, JavaScript, Terraform, AWS ECS, ECR, AWS RDS, Flask*

- Developed a **cloud-based** web application that enables users to deploy websites to their cloud platform using a **GitHub URL** and minimal site details, reducing deployment time by **80%**.
- Implemented **auto-scaling** and **load balancing**, maintaining peak operational efficiency and consistent availability
- Integrating machine base learning **(ML)-based Dockerfile generation**.
- Automated **AWS ECR** image builds and **AWS ECS Fargate** deployment, achieving optimal service availability and reliability.
- Automated cloud resource provisioning with **Terraform** (Infrastructure as Code), requiring no manual setup for users.

AI Avatar Booth
AI-Powered Photo Avatar Generator   *- Python, AWS VPC, RDS, EC2, S3, JavaScript, Flask*

- Developed a web application using **Flask** for backend development and **AWS RDS** for database management.
- Utilized **REST APIs** to process attendee photos, generate AI avatars, and send them via email.
- **Hosted the application on AWS** using various services, ensuring scalability and reliability.
- Deployed the project at **AWS Student Community Day**, where it was used by over **300+ attendees**, including students, speakers, and guests, to generate their AI avatars.

App Deployment with DevOps Tools
Deploy Flask Application Using DevOps Tools   *- Terrafrom, AWS EKS, EC2, IAM, Docker, SonarQube, Github Actions*

- Deployed a full-stack Flask application on **AWS EKS**, utilizing **Docker** for containerization and Kubernetes (EKS) for scalable orchestration.
- Automated infrastructure with **Terraform** and **managed CI/CD pipelines** with GitHub Actions.
- Integrated security scanning with **Trivy**, real-time **Slack notifications**, and code quality checks with **SonarQube**.

Leadership and Volunteering

National Cadet Corps (NCC)
Senior Under Officer Rank holder

- Achieved the rank of **Senior Under Officer**, the highest in the NCC, awarded to individuals who demonstrate exceptional **leadership, discipline, and dedication** by **leading 150+ cadets** across **three college NCC units**. Earned **'C' and 'B' certificates with Alpha grade**, showcasing expertise in **Indian Armed Forces operations** and **weapons handling**.