

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.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** like **Virtual Network (VNet)**, **subnetting**, and **NSG/ASG** configurations, along with deploying and managing **Azure Virtual Machines (VMs)** for Windows and Linux workloads.
- Working extensively with **Azure Blob Storage** for scalable and secure data storage, **Azure App Service** to reliably host web applications, and **Azure Functions** for flexible, serverless, event-driven solutions.

DI Solutions

May 2024 - Jun 2024

Backend and Cloud intern

AWS, Python, JavaScript, Flask, Git, GitHub

- Built and maintained backend functionalities using **JavaScript** and **Flask** for dynamic web applications, focusing on API development, while using **Git** and **GitHub** for version control, team collaboration, and code management.
- Explored various **AWS services** for deploying and managing cloud infrastructure, and implemented **Docker**-based containerization with **CI/CD** pipelines for automated deployment.

Projects

InstantHost 🔗

- Ongoing

AI-Driven Cloud Deployment Automation Solution

- Python, JavaScript, Terraform, AWS ECS, ECR, AWS RDS

- 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

- Terraform, AWS EKS, EC2, IAM, Docker, 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 **Senior Under Officer** rank in NCC by **leading 150+ cadets**, demonstrating strong **leadership** and **discipline**. Earned 'C' and 'B' certificates with Alpha grade, reflecting expertise in Armed Forces operations and **weapons handling**.