

Muskan Jadav

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Education

Vellore Institute Of Technology, Bachelor's in Computer Science

June 2022 – June 2026

- CGPA: 8.34/10

Technical Skills

Languages: Python, SQL, Mermaid.js

Cloud Computing and DevOps: AWS, CI/CD, Automation, Serverless, Containerization, Orchestration, Terraform

Technologies/Frameworks/Libraries: HTML, CSS, Linux, Shell Scripting, Git

Design/wireframing/Tools: UI/UX Design, figma, Jira, Miro

Product: Agile/Scrum, User Research, Wireframing, A/B Testing, Product Roadmapping, Go-to-Market Strategy.

Projects

Image Label Detection using AWS Rekognition

December 2024

- Developed a fully serverless image recognition workflow using AWS S3, Lambda, and Rekognition, automatically triggering analysis whenever a new image is uploaded.
- Extracted labels, objects, and confidence scores from images and stored the processed results as JSON metadata in an organized S3 output structure, ensuring secure access via IAM policies.
- Integrated Amazon SNS to send real-time notifications after processing, enabling a complete end-to-end automated cloud pipeline with monitoring through CloudWatch Logs.

CI/CD Pipeline Automation Using DevOps Description

June 2025

- Automated the software delivery process using CI/CD pipelines, enabling faster and error-free deployments.
- Technologies used Jenkins, Docker, Kubernetes, Git, AWS.
- Reduced deployment time by 40 (%) improved release reliability.

Accessible App Redesign for Inclusive User Experience

- Redesigned three key user flows of a popular mobile app to enhance usability for visually impaired and dyslexic users.
- Used Figma, Contrast Checker, VoiceOver/TalkBack screen readers, and WCAG evaluation tools to create inclusive, user-centric design solutions.

Self-Healing Cloud-Native System

August 2025

- Tech: Kubernetes, Docker, Terraform, Prometheus, Grafana, AWS, CI/CD
- Built a self-healing cloud infrastructure with Kubernetes, Terraform, and Docker, ensuring zero downtime through automated recovery and scaling.
- Implemented monitoring, alerting, and CI/CD pipelines with Prometheus, Grafana, and GitHub Actions for resilient cloud operations.

Certifications

- Figma UI UX Design Essentials

Achievements

- Participated and cleared Round 1 (Coding Round) in Amazon HackOn Season 5
- Selected and participated in Level 1: E-Commerce & Tech Quiz of Flipkart GRID 6.0

Leadership & Activities

Gujarati Cultural Club (Club Coordinator)

Oct 2022 - Aug 2023

- Organized 3+ large-scale cultural programs with 200+ attendees each, managing budgets and logistics
- Fostered cross-cultural connections through innovative programming and campus outreach

CRB Foundation(Volunteer work)

Aug 2023

- Been a part of making website for NGO (CRB Foundation) based in Bhopal.

c0c0n Cybersecurity Conference & Hackathon

Oct 2023

- Selected to participate in India's premier cybersecurity conference, engaging with 500+ professionals