

Vedika Gangil

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github.com/vedikagangil

Education

VIT Bhopal University, B.Tech in Computer Science (Specialization in Cloud Computing and Automation) – Bhopal Aug. 2022 – Expected 2026

- CGPA: 8.44/10

Projects

AWS CI/CD Pipeline Automation | CI/CD Pipeline GitHub Jul. 2025

Tech Stack: AWS (CodePipeline, CodeBuild, CodeDeploy, CloudFormation), Maven

- Automated end-to-end CI/CD with AWS services (CodePipeline, CodeBuild, CodeDeploy), slashing deployment time by 90%.
- Implemented Infrastructure as Code (IaC) via AWS CloudFormation to provision and manage EC2, VPC, and IAM roles.
- Established robust monitoring with CloudWatch and S3 versioning for full deployment traceability and zero-downtime releases.

BankerBot: AI-Powered Banking Assistant | BankerBot GitHub Jun. 2025

Tech Stack: AWS Lex, Lambda, Python, CloudFormation

- Developed an AI chatbot on AWS Lex, reducing support tickets by 40% and achieving 85% intent accuracy with dynamic validation.
- Optimized Python Lambda for high scalability, handling 50+ TPS with <300ms latency, ensuring performance under load.
- Automated infrastructure deployment using CloudFormation (IaC), cutting setup time by 87.5% and ensuring 99.5% uptime.

ShopEZ: Full-Stack E-Commerce Platform | ShopEZ GitHub Feb. 2025 – Apr. 2025

Tech Stack: MERN Stack, JWT, Stripe API

- Engineered a full-stack MERN application with a responsive React frontend and scalable Express/Node.js RESTful APIs.
- Implemented critical features including JWT authentication, product search/filters, and Stripe payment integration.
- Utilized Agile/CI-CD methodologies in a team to manage development, achieving high performance and user engagement.

Technical Skills

General Skills: C++, JavaScript, Version Control (Git & GitHub), MySQL, Data Structures & Algorithms, Operating Systems, Networking, Analytical Thinking, Problem Solving, Workflow Automation

AWS Services and DevOps Tools: EC2, S3, RDS, EFS, DynamoDB, RedShift, ELB, CloudWatch, CodePipeline, CodeBuild, CodeDeploy, IAM, CloudFormation, CodeArtifact

Web Development: HTML, CSS, MERN Stack (MongoDB, Express.js, React.js, Node.js), React, RESTful API

Certifications

MongoDB Associate Database Administrator | Faceprep Apr. 2025

Full Stack Developer MERN | Smartbridge Apr. 2025

IBM Machine Learning in Python | Coursera Jan. 2024

Additional

Languages: English (fluent), Hindi (native), Marathi (native), German (A1 level)

Achievements: 100+ problems solved on LeetCode and 160+ solved on GeeksForGeeks

Club Involvement: Member of the Creative Wing at the English Literary Association at VIT Bhopal, creating event posters, designing the yearly magazine, and handling photography (July 2023 - May 2024)