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: 8.34/10

Prodigy Public School, Higher Secondary School – Pune — May 2020 – Jun. 2022
- Percentage: 72.8%

Prodigy Public School, Secondary School – Pune — Jan. 2018 – Mar. 2020
- Percentage: 90.2%

Technical Skills

Programming Languages: Python, JavaScript, C++, Java
Web Development: HTML, CSS, React.js, Node.js, Express.js, REST APIs
Databases & Data Analysis: MongoDB, MySQL, SQL (Basics), Python (Pandas, NumPy), Excel (Pivot Tables, Charts)
Tools & Platforms: Git, GitHub, AWS, Jupyter Notebook, VS Code
AI/ML & Others: Keras, Scikit-learn, MATLAB, Simulink
General: Canva, Advanced Excel, Data Structures & Algorithms, Computer Networks, OOP, DBMS

Projects

BankerBot: AI-Powered Banking Assistant | AWS Lex, Lambda, Python, CloudFormation | BankerBot GitHub — Jun. 2025
- Built an AI-powered chatbot using AWS Lex, reducing customer support queries by 40% via dynamic slot validation and session caching, measured with AWS CloudWatch logs and achieving 85% intent accuracy
- Scaled Python-based Lambda functions to process 50+ mock transactions/sec, cutting response latency to <300ms during load testing
- Automated infrastructure deployment using CloudFormation (IaC) which reduced setup time by 87.5%
- Implemented fallback handling and response variations, improving user retention by 30%
- Achieved 99.5% uptime by adhering to AWS Well-Architected Framework (monitored via AWS Health Dashboard)

ShopEZ: Full-Stack E-Commerce Platform | MERN Stack, JWT, Stripe API | ShopEZ GitHub — Feb. 2025 – Apr. 2025
- Developed a high performance full-stack e-commerce platform using MERN stack, serving 100+ mock products with 95% successful user sessions
- Built a responsive React.js frontend with context API for state management, optimizing load times under 2s across all devices
- Designed scalable RESTful APIs supporting CRUD operations for products, orders, and user data, leveraging MongoDB Atlas for cloud-based storage, handling 50+ concurrent requests with <500ms latency
- Implemented search, filters, admin dashboard, and payment gateway integration to streamline transactions and business operations improving discoverability by 40% and integrated Stripe API
- Deployed on AWS EC2 with Nginx (99% uptime) and established CI/CD via Git/GitHub in 4-member Agile team

Certifications

MongoDB Associate Database Administrator | Faceprep — Apr. 2025
Full Stack Developer MERN | Smartbridge — Apr. 2025
IBM Machine Learning in Python | Coursera — Jan. 2024
MATLAB and Simulink Onramp | MathWorks — Sep. 2022