Asmita Manish Sakhare

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Education

VIT Bhopal University , B. Tech in CSE (Cloud Computing and Automation)   October, 2022 - June, 2026
- Cumulative GPA: 8.97

Projects

Smart Recipe Generator(October, 2025)   GitHub Link
- Built a Next.js + Tailwind UI web application that suggests recipes based on user-provided ingredients (via text, quick-chips or photo input) and supports filters such as dietary preferences, difficulty level and time.
- Integrated the Vercel AI SDK (for text generation) and a fallback computer-vision route to recognise ingredients from images, combining with a 20+ static recipe dataset and real-time servings scaling.
- Enabled user features such as ratings, saving favourites (via localStorage), and automatic nutrition estimates — delivering a seamless end-to-end user experience from front-end to AI back-end.

CI/CD Pipeline with AWS(May, 2025 - June, 2025)   GitHub Link
- Designed and deployed a CI/CD pipeline using AWS CodePipeline, CodeBuild, and CodeDeploy to automate Java web app deployments, reducing manual steps
- Provisioned scalable infrastructure using AWS CloudFormation, cutting environment setup time from hours to under 10 minutes
- Integrated AWS CodeArtifact with CodeBuild and configured IAM roles to securely manage dependencies, improving build success rate

ShopEZ: E-Commerce Application(April, 2025)   GitHub Link
- Built a full-stack e-commerce web application (ShopEZ) using the MERN stack, featuring secure authentication, product management, and order tracking
- Implemented dynamic product search, category filters, and personalized suggestions using React.js and MongoDB queries, increasing product findability
- Collaborated in a team to design and integrate responsive UI components with React, Tailwind CSS, and Express.js REST APIs

Technologies

Languages and general skills: C++, Java, JavaScript, Version Control (Git & GitHub), MySQL, Data Structures and Algorithms, Operating Systems, Networking, Critical Thinking, Problem Solving

AWS and DevOps: 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)**
- **Full Stack Developer MERN (SmartBridge)**
- **An Introduction to Artificial Intelligence (NPTEL-SWAYAM)**
- **IBM Machine Learning in Python (Coursera)**