ASMITA AGARWAL

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Education

Vellore Institute of Technology	Bhopal, MP
Bachelor of Technology in Computer Science and Engineering **|** 8.68/10 CGPA	August 2026

Relevant Coursework**:** Programming in Java, Object-Oriented Programming, Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networks.

Subhash Public School	Giridih, JH
Higher Secondary Education	90%	March 2021

Skills

Languages & Frameworks: Java, Python, Node.js, React, Langchain, SQL.
Tools: Git, AWS, Docker, Postman, Render, MongoDB.

Projects

APIVerse - Intelligent API discovery platform [Live]   **Fullstack**   **June 2025**

- Deployed an interactive platform to simplify API exploration for developers, using React and FastAPI**.**
- Powered semantic search across 1,500+ APIs with MongoDB Vector Search, enabling intent-aware matching.
- Automated real-time API health checks and code generation with Gemini API, accelerating onboarding.

BakePrecise - AI Baking Assistant [Github]   **Generative AI**   **March 2025**

- Transformed vague units like cups and spoons to grams using Gemini API and a custom database of 100 common baking ingredients.
- Generated recipes based on available ingredients and precise measurements, with 50+ successful AI calls.

CocoCode - Online coding platform [Github]   **FullStack**   **February 2025**

- Developed a full-stack coding platform with 10+ features, including authentication, problem submissions, and email notifications for verification, password recovery, and updates.
- Designed an analytics dashboard with 365 days user activity tracking and problem difficulty stats with tailwind CSS.
- Leveraged the MERN stack (MongoDB, Express, React, Node.js) and integrated Judge0 API for real-time, multi-language code evaluation.

Extracurricular

- Industry Conclave Hackathon: Devised a real-world campus solution in a 5-member team; ranked in the Top 5 of 100.
- AI Conclave: Secured 2nd place out of 20 teams in the College Group Debate Competition.
- Won Foragers 2.0 (Treasure Hunt): Led a team to victory out of 50.
- Coordinated rehearsals and managed a group dance performance of 20 participants at the college fest. It captivated an audience of 1000+ attendees, receiving outstanding feedback.

Additional

- Certifications: IBM - Generative AI, AWS - Cloud Foundations.
- Languages: English, Hindi.