

ASMITA AGARWAL

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Education

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering | 8.68/10 CGPA

Bhopal, MP

August, 2026

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

Subhash Public School

Higher Secondary Education | 90%

Giridih, JH

March, 2021

Projects

APIVerse - Intelligent API discovery platform([Link](#))

June, 2025

- **Deployed** a full-stack tool to simplify API discovery and integration for developers featuring interactive animations.
- Built semantic search using **MongoDB Atlas Vector Search** for intent-based API matching.
- Implemented real-time API health monitoring and automatic code generation using Gemini with React and FastAPI.

BakePrecise - AI Baking Assistant ([Link](#))

March, 2025

- A full-stack React and Node.js application featuring a volume-to-weight converter and AI-powered recipe generator.
- Recipe converter using **Google Gemini API**, accurately converting 100+ common ingredients from volume to grams.
- Integrated custom ingredient density databases sourced from 4 different official food data repositories for precise measurement conversions.

CocoCode - Online coding platform ([Link](#))

February, 2025

- A **full stack** coding platform with 10+ features, including authentication, problem submissions, and email notifications for verification, password recovery, and updates
- Designed an interactive dashboard with 365 days user activity tracking and problem difficulty stats.
- Built with MERN stack (MongoDB, Express, React, Node.js) and integrated Judge0 API for real-time code evaluation across multiple languages.

Extracurricular

- Industry Conclave Hackathon: Participated as part of a 5-member team, placed in the Top 5 out of 50 teams, developing a solution to a campus challenge.
- AI Conclave: Secured 2nd place out of 20 teams in the College Group Debate Competition, showcasing effective communication, evaluative reasoning, and argumentation skills.
- Won Foragers 2.0 (Treasure Hunt): Led a team to victory out of 50, demonstrating strategic thinking and teamwork.
- Coordinated rehearsals and managed a group dance performance, at the college fest enhancing coordination among 20 dancers; that captivated an audience of 1000+ attendees, receiving outstanding feedback.

Additional

- Certifications: IBM - [Generative AI using WatsonX](#) , AWS academy graduate - Cloud Foundations.
- Hobbies: Art & Craft , Painting.
- Languages: English, Hindi.