

Asmita Agarwal

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Education

Vellore Institute of Technology

Bachelor of Technology in Computer Science Engineering | 9.07/10 CGPA

Bhopal, MP
2022 - 2026

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

Subhash Public School

11th and 12th Science | 90%

Giridih, JH
2019 - 2021

Projects

BakePrecise

AI Baking Assistant

March, 2025

[Website](#)
[Github](#)

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

CocoCode

Online coding platform

February, 2025.

[Github](#)

- **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.

Ride Rental

Bicycle rental application

April, 2024.

[Github](#)

- Developed a mobile app for renting bicycles on-campus, based on duration, managing 5 cycle renting points with automated parking stations and an automatic ride extension.
- Leveraged **JavaScript** and **React Native** for front-end development, crafting an intuitive and responsive user interface and **Express.js** and **MongoDB** for back-end development.

Extracurricular

- **Wells Fargo Software Engineering Job Simulation on Forage** - Analyzed requirements, designed and implemented a financial portfolio management system ERD using IntelliJ, publishing the project on [Github](#).
- **Industry Conclave 2024:** Participated as part of a 5-member team, achieving **Top 5** status out of 50 teams, and developing a **voice recognition-based attendance system** to solve 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.

Additional

- **Coordinated** rehearsals and managed logistics for a group dance performance, at the college fest enhancing coordination among 20 dancers; that captivated an audience of 1000+ attendees, receiving outstanding feedback.
- **Hobbies:** Photography, Blogging.
- **Languages:** Hindi, English.