

Adarsh Kumar

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About

Final-year Computer Science student passionate about creating scalable systems and innovative solutions, eager to turn ideas into impact.

Projects

Clowder - AI-Powered E-Learning Platform

GitHub

- Leading a team to build an AI-powered E-learning platform featuring interactive courses and performance visualization tools.
- Built adaptive testing and real-time code feedback using **MERN stack + AI**, supporting personalized learning.
- Designed REST APIs and integrated code analyzers, improving learning accuracy by **20%** in trial users.

Smart Recipe Generator -AI Powered Cooking Assistant

GitHub | Check it Out

- Built an AI-powered recipe recommendation system using **Spring Boot, React, MongoDB, and Gemini AI**.
- Implemented ingredient-based search, advanced filtering, and AI fallback recipe generation using **Gemini 2.0 Flash**.
- Integrated secure user authentication with **Google OAuth + JWT**.
- Fully deployed on cloud using **Railway (Backend)** and **Render (Frontend)**.

Burrow - AI-Driven Healthcare Assistant

GitHub | Check it out

- Built an AI-powered healthcare chatbot using **NLP, ML models, and scheduling APIs** to enable symptom detection, test booking, and medicine ordering.
- Enhanced accessibility by offering users real-time health predictions and doctor appointment integration.

Experience

Hackathon Team Lead AI/ML & MERN-based Projects

May 2023 – July 2025

- Led **3 hackathon teams**, designing solutions with **AI/ML and MERN stack**, delivering functional prototypes under tight deadlines. .
- AI-powered healthcare assistant with chatbot interface for doctor booking and medicine scheduling; streamlined patient workflows by 40%.
- **Adaptive e-learning platform (Clowder)** enabling **real-time code analysis & personalized tests**, boosting student engagement and ranked **Top 45 at SIH 2024**.

Education

Parul University, B-Tech in Computer Science

Sept 2022 – May 2026

- Current CPI: 7.33/10

Class 12 (PCM), Percentage: 64.33%

2021 – 2022

Class 10, Percentage: 70.16%

2019 – 2020

Technical Skills

Languages: Java, C/C++, JavaScript, Python

Relevant Coursework: Object-Oriented Programming , Data Structures & Algorithms, Operating Systems, Computer Networks, Database Systems

Technologies & Tools: Spring Boot, MERN Stack, RESTful APIs, MongoDB, Git

Achievements

- Top 45, Smart India Hackathon 2024 (University level).
- Led teams in 3 hackathons with AI/ML and MERN-based projects.