

Preya Shah

📍 Ahmedabad ✉ preyashah2512@gmail.com ☎ 9408853555 in Preya Shah 🌐 preyashah7 🌐 Portfolio

Objective

Driven Computer Engineering student with strong foundations in data structures, algorithms, and full-stack development. Eager to build scalable, user-centric software while learning from experienced teams and solving impactful real-world problems. Passionate about continuous growth, collaboration, and software craftsmanship.

Projects

Prompt2ML – LLM-Powered AutoML Code Generator

Repository [↗](#)

- Built a full-stack LLM-powered assistant that transforms raw CSV data and natural language prompts into complete, production-ready ML pipelines. Automatically generates 7+ structured files (including model code, visualizations, and README) within 5 seconds, achieving 90%+ accuracy across 50+ tested ML use cases, significantly reducing manual effort and boilerplate.

CollabBoard – AI-Powered Collaborative Whiteboard

Repository [↗](#)

- Built a real-time collaborative whiteboard app for 5+ users with 200ms sync latency using Socket.IO. Integrated backend LLM to translate natural language into drawing actions, demonstrating scalable design and responsive UX for shared environments.

DSA-Based TradeBot – Algorithmic Stock Trading Simulator

Repository [↗](#)

- Developed a modular Java-based trading simulator using Greedy, DP, and K-Transaction strategies. Simulated 500+ trades/run on 1000+ days of historical data with sub-100ms execution per strategy.

CareerSetGo – Intelligent Virtual Career Advisor

Repository [↗](#)

- Collaborated in a 5-member agile team to create an AI-based platform offering resume building, career chatbots, and personalized skill recommendations. Followed full SDLC practices using React, Tailwind, Node.js, and Python to enhance user decision-making.

Custom Key-Value Store with LRU Cache

Repository [↗](#)

- Engineered a lightweight in-memory Java database with custom LRU caching using HashMap and Doubly Linked List. Supports 5K+ operations with 95%+ cache hit rate and persistent JSON storage via Gson. Features modular CLI with PUT, GET, DELETE commands and clean separation of concerns across six core Java classes.

Education

L.D. College of Engineering, Ahmedabad

June 2023 – Present

B.E. in Computer Engineering

CGPA: 8.63 / 10

Gyaandeep Higher Secondary School, Gujarat State Board

June 2023

11th–12th Science

PR: 99.43

Technical Skills

Programming Languages: C, Java, Python, JavaScript, SQL

Core CS Concepts: Data Structures & Algorithms, Object-Oriented Programming, System Design

Web Development: HTML, CSS, Tailwind CSS, Material UI (MUI), React.js, Node.js, Express.js, MongoDB, MySQL

AI/ML: Machine Learning, Deep Learning, Natural Language Processing (NLP), Prompt Engineering

Tools & Platforms: VSCode, Git, GitHub, Postman, Firebase

Areas of Interest: Web Development, Artificial Intelligence, Machine Learning

Soft Skills: Problem Solving, Communication, Team Collaboration

Mindset: Quick learner with strong adaptability, eager to explore new tools, languages, and development processes.

Achievements

- Solved 300+ Data Structures and Algorithms problems across platforms, demonstrating consistency and depth in problem-solving.
- Selected as a grand finalist in the Smart India Hackathon (SIH) 2024, competing among 250+ national teams.
- Honored for outstanding academic performance in 12th Grade (GSEB Board).
- Led and organized multiple college events to foster peer collaboration, technical growth, and engagement.