

Aman Prajapati

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Summary

A highly motivated Computer Engineering student with a good foundation in full-stack web development, AI/ML integration, and data structures. Hands-on experience building and deploying real-world applications using modern frameworks and cloud services. Always eager to learn and grow in dynamic, impact-driven environments.

Education

Lokamanya Tilak College Of Engineering

B.Tech in Computer Engineering (CGPA: 8.55/10)

Mumbai, India

2023 – 2027

Ramniranjan Jhunjhunwala College

Higher Secondary Education

Mumbai, India

2021 – 2023

Technical Skills

Languages: C, C++, Python, JavaScript, HTML, CSS

Frameworks & Libraries: React.js, Node.js, Express.js, Prisma ORM

AI/ML: NumPy, Pandas, Scikit-learn, PyTorch, Google Gemini API

Databases: MongoDB, MySQL, SQLite, PostgreSQL

Tools & Platforms: Git, GitHub, Docker, Vercel, VS Code, Firebase, NextAuth.js

Core Concepts: Data Structures & Algorithms (DSA), OOP, DBMS, REST APIs

Modern Dev: Vibe Coding (AI-Augmented Dev), Prompt Engineering

Projects

GiveBack Hub – Social Impact Donation Platform

[GitHub](#) / [Demo](#)

Next.js 14, TypeScript, Prisma ORM, NextAuth.js, Google Gemini AI, Leaflet Maps

- Full-stack donor-NGO platform with Next.js 14 App Router, role-based access control (USER/ADMIN) via NextAuth.js, Google OAuth, and middleware route protection.
- Integrated Gemini 1.5 Flash for AI-powered item photo analysis (auto-fills donation form); built pickup scheduling with status tracking.

QuestAI – AI-Powered Exam Question Generator

[GitHub](#) / [Demo](#)

FastAPI, Python, spaCy, React.js, SQLite, Docker, JWT Auth

- Built a exam question generator using an NLP pipeline – spaCy for entity recognition and T5 transformer for question generation from uploaded PDFs; produces MCQ, Short Answer, and True/False questions aligned with Bloom's Taxonomy.
- Implemented JWT auth with bcrypt, user data isolation, Docker Compose deployment, and Word document export with answer keys for classroom use.

Climate Watch – AI-Powered Public Health Monitor

[GitHub](#) / [Demo](#)

React.js, TypeScript, Firebase Auth, Google Gemini AI, OpenWeatherMap API, Tailwind CSS

- Built a responsive web platform using TypeScript that monitors real-time weather data to assess public health risks.
- Integrated external weather APIs and AI-driven logic to generate personalized preventive health insights based on current climate conditions.

Certifications & Hackathons

Hackathons & Ideathons

Various

Participant & Winner

- Participated in several **Hackathons** and **Ideathons** – built scalable, real-world solutions in web development and AI/ML under time constraints and **won Ideathon**, presenting an innovative solution to a real-world problem.

Certifications

Remote / Online

Completed Programs

- Edunate AI/ML | Gemini Hac2Skill | IBM Agentic AI | Modern Web Frameworks