

AMITABH ANMOL PAIN

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EDUCATION

Dayananda Sagar College of Engineering

B.Tech in Computer Science

Bangalore, India

Aug 2023 – Aug 2027

EXPERIENCE

Open Source Contributor — Hacktoberfest

MLH & GitHub

Remote

Oct 2025 – Nov 2025

- Delivered 10+ high-quality PRs across frontend and backend
- Resolved UI, backend, and deployment issues, improving stability and maintainability
- Recognized with Tree Nation Certificate and Super Contributor badge

PROJECTS

VitalEase — Gamified Mental Health Platform — Flask, MongoDB, Redis, WebSockets

- Architected a scalable mental health platform to support users dealing with depression, anxiety, and PTSD through interactive therapeutic games
- Implemented Redis caching for high-speed score storage, significantly reducing latency
- Developed secure RESTful APIs with role-based access control using Flask and MongoDB
- Integrated WebSockets for real-time progress tracking and notifications
- Optimized media handling using Cloudinary for medical assets

Real Estate Website — Flask, MongoDB, React

- Built a full-stack real estate platform with React frontend and Flask REST APIs
- Enabled seamless communication between admin and user panels via secure endpoints
- Applied rate limiting on authentication to prevent abuse and enhance security

Real-Time Chat Application — MERN, WebSockets, Redis

- Designed a low-latency real-time messaging system using WebSockets and Redis
- Implemented session management and message caching for scalability

Real Estate AI Agent — Streamlit, Google ADK

- Built a multi-agent real estate assistant recommending properties based on user budget and preferences
- Orchestrated agents using Google ADK and Gemini LLM to deliver personalized insights

TECHNICAL SKILLS

Languages: Python, JavaScript, C/C++

Frameworks: React, Flask, FastAPI , Node.js, Express, Tailwind CSS

Databases: MongoDB, SQL, Redis, SQLite

Tools: Docker, Git, GitHub, CI/CD

Data: Pandas, NumPy, Matplotlib

ACHIEVEMENTS

- Finalist — Atria College Hackathon
- Participant — Bolt World's Largest Hackathon
- Built a working MVP for Kirana shop owners at Walmart Sparkathon

CERTIFICATIONS

- Full Stack Web Developer Certification — Udemy