Dhiman Majumdar

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EDUCATION

Pranveer Singh Institute of Technology   Kanpur, Uttar Pradesh
Bachelor of Technology in Computer Science   *Dec. 2022 – Jun. 2026*

Ganga International School   New Delhi, Delhi
10th Grade: 90.6%   12th Grade: 85%

SKILLS

Languages: C++, JavaScript (ES6+), Python, SQL, HTML/CSS
Frontend Technologies: React.js, Redux, Zustand, Next.js, Tailwind CSS
Backend Technologies: Node.js, Express.js, FastAPI, WebSockets, REST APIs
Databases: MongoDB, Supabase
AI Tools: Hugging Face, Ollama, LangGraph, LangChain, RAG
Infrastructure / Cloud: AWS EC2, Docker
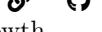
PROJECTS

DevFusion | *React, Node.js, Express.js, MongoDB, Tailwind CSS, WebSockets, AWS EC2, Amazon SES, Cron Jobs*
- Developed a full-stack developer-matching platform with secure **JWT authentication** and a responsive UI using **Tailwind CSS**.
- Integrated real-time chat functionality using **WebSockets** and **socket.io**.
- Implemented email notifications and communication features using **Amazon Simple Email Service (SES)**.
- Automated background tasks and system maintenance with scheduled **Cron Jobs**.
- Deployed on **AWS EC2** with Nginx reverse proxy for scalable, production-ready hosting.
- **Key Achievement:** Successfully onboarded 50+ developers on the platform, driving engagement and growth.

EmPath AI — AI Mental Health Therapist | *FastAPI, Streamlit, Ollama (MedGemma), GPT-4, Twilio, ngrok*
- Built an AI-powered mental health support system delivering empathetic, context-aware conversations using **MedGemma (Ollama)** and **GPT-4 tool-agent reasoning**.
- Implemented a safety layer with **intent analysis**, distress detection, and automated **Twilio emergency call escalation** for high-risk situations.
- Integrated **WhatsApp chat interface** via Twilio Webhooks and **ngrok** tunneling for real-time, private AI therapy conversations.

DealSpy – Price Tracking Web Application | *Next.js, React, Supabase, Firecrawl, Recharts, Tailwind CSS*
- Developed a full-stack **price tracking web application** that allows users to monitor product prices from multiple e-commerce websites.
- Implemented **server-side web scraping** using Firecrawl to extract structured product data (name, price, currency, image) and store historical price records.
- Designed **interactive price history visualizations** using Recharts, enabling users to analyze price trends over time with a clean, responsive UI.

ACHIEVEMENTS

- Solved over **600 problems** on LeetCode across various data structures with consistent Contest Rating of 1600+
- Built and deployed major **2 applications** with **70+ users**.
- Achieved **All India Rank 10,250** out of 240,000+ in **NCAT-25**, with an **84.4 percentile** in the CS 2026 batch.

CERTIFICATIONS

- **Namaste JavaScript** – Akshay Saini (NamasteDev, Feb 2024)
- **Namaste React** – Akshay Saini (NamasteDev, Aug 2024)
- **Namaste Node.js** – Akshay Saini (NamasteDev, Feb 2025)
- **Full Stack Generative and Agentic AI** – Hitesh Choudhary and Piyush Garg (Udemy, Oct 2025)
- **Object Oriented Programming** – Raj Vikramaditya (takeUforward, Sep 2025)