

Janmejay Chatterjee

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Education

Adani University

Bachelor of Engineering in Computer Science – Graduation : July 2025

Ahmedabad, Gujarat

CGPA: 9.11 / 10.00

Experience

IQM

Software Developer I

Ahmedabad, Gujarat

Jan 2025 – Present

- Developed platform-side applications by translating Figma designs into production code using the company's internal component library, leveraging TanStack Router, Query, and Form for optimal performance.
- Architected and delivered a company-wide 360-degree performance evaluation system serving as the primary HR portal for internal assessments, streamlining the employee review process organization-wide.
- Built a wrapper library over TanStack Query that simplifies cache invalidation and provides intelligent query handling, enhancing developer productivity across the engineering team.
- Created a VS Code extension that automates generation of type-safe models, API functions, and TanStack Query hooks from request/response schemas, significantly reducing development friction and improving code consistency.

Payway

Frontend Developer Intern

Ahmedabad, Gujarat

Oct 2023 – Dec 2023

- Developed an engaging, animated landing page using React, Tailwind CSS, and Framer Motion, leading to a 20% increase in user interaction time.
- Implemented reusable React components with Tailwind's utility-first styling, reducing development time by 30% and ensuring a consistent and maintainable UI.

Projects

Dual | React, TypeScript, Node.js, PostgreSQL, Socket.io, Redis

2025-2026

- Built a gamified competitive learning platform for aptitude preparation featuring real-time 1v1 battles, ELO-based matchmaking, and comprehensive gamification systems including streaks, achievements, and leaderboards.
- Engineered real-time multiplayer infrastructure using Socket.io and Redis for sub-30-second matchmaking, enabling simultaneous question answering and live rating updates across concurrent battle sessions.
- Designed and implemented a freemium B2B revenue model targeting college partnerships and corporate talent acquisition, with features including skill validation metrics and performance analytics dashboards.

Reech | Next.js, Python, FastAPI, Langchain, Ollama

2024

- Developed a platform for offline audio file analysis, including transcription, speaker diarization, sentiment analysis, summary generation, and keyword extraction.
- Implemented the system using open-source models, ensuring all data remains on the user's device, enhancing privacy and security.

Quirex | Next.js, Ollama, TypeScript, Langchain, Open Source LLM

2023

- Created an AI SQL query builder that connects to databases and allows interaction using natural language, simplifying complex SQL query construction.
- Integrated advanced language models to enhance query accuracy and efficiency.

HealthSync | React, Express, Flask, PostgreSQL, OpenAI, AWS

2023

- Developed a comprehensive platform for streamlining healthcare processes, from patient prescription submission to disease prediction and prescription generation.
- Utilized machine learning algorithms for accurate disease prediction and diagnosis support.

Technical Skills

Languages: C++, Python, Node.js, Java, SQL, Bash, C

Web Development: React, TypeScript, Next.js, Tailwind, Tanstack Query, Tanstack Form, CSS, Express, HTML/CSS

Technologies & Tools: TensorFlow, PyTorch, Docker, AWS, PostgreSQL, Git, Prometheus, Grafana

Achievements

Winner at **Techathon**, AIDTM, 10th January 2025

1st Runner-Up at **DataQuest**, AIDTM, 31st August 2024

1st Runner-Up at **HACKNUTHON 5.0**, Nirma University, 22 April 2024

1st Runner-Up at **AU-IQM HACKATHON S2**, Adani University, 29 July 2023

Winner at **AU-IQM HACKATHON 2022**, Adani University, 13 November 2022

Social Engagements

President: ACM Student Chapter, Adani University

Founder and President: Adani Student Programming and Development Club, Adani University

Leading various workshops and sessions to enhance coding skills and foster a collaborative learning environment.