Taranjyot Singh

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India

EDUCATION

Maharaja Agrasen Institute of Technology (MAIT) — Delhi, India
B.Tech in Electronics Engineering — *2023 – 2027*

EXPERIENCE

Maharaja Agrasen Institute of Technology — Delhi, India
Research Intern — VLSI — *2024*

- Conducted research on SOI Schottky Barrier Nano MOSFETs focusing on short-channel effects and performance optimization.
- Analyzed threshold voltage, leakage current, and subthreshold slope using simulation-based validation techniques.

Freelance (Fiverr) — Remote
MERN Stack Developer — *2024 – Present*

- Delivered full-stack web applications using React, Node.js, Express, and MongoDB, including dashboards, REST APIs, and authentication systems for international clients.

PROJECTS

AI-Powered Stock Market Dashboard
React, TypeScript, TailwindCSS, Supabase

- Identified lack of accessible real-time market insights; built an AI-powered dashboard with live price/volume charts, multilingual UI, voice navigation, and sentiment analysis.
- Enabled real-time tracking across 50+ global stock tickers; selected as finalist among 100+ teams at Call2Code Hackathon.

AI-Powered Natural Language to SQL Tool
Python, Streamlit, Google Gemini Pro, SQLite

- Addressed manual SQL query barriers by converting natural language inputs into executable SQL using LLM-based processing.
- Reduced query time by 90x and enabled safe execution across 20+ databases with sub-2 second response times.

Smart Personal Finance Tracker
React.js, Firebase, Firestore, Recharts

- Solved fragmented expense tracking by building a real-time finance tracker with authentication, analytics dashboards, and CSV import/export support.

ACHIEVEMENTS & HACKATHONS

- Finalist, **Smart India Hackathon (SIH) 2024**.
- **Winner**, Call2Code Hackathon (MUJ).

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, SQL
- **Frameworks:** React.js, Next.js, Node.js, Express.js, TailwindCSS
- **Databases & Tools:** PostgreSQL, Firebase, Firestore, Supabase, SQLite, GitHub, Vercel, Streamlit, Postman