OM VARMA

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omvarma18.github.io/3D-Portfolio/

EDUCATION

- **Vellore Institute of Technology**   2022 - Ongoing
  B.Tech in Computer Science and Engineering CGPA: 8.23/10

PROJECTS

- **StockSense: GenAI-Powered Stock Analytics Dashboard**   Oct 2025 – Nov 2025
  NextJS, React, Inngest, Better-Auth, Gemini API, TradingView, Finnhub
  - Built a full-featured stock analytics dashboard with secure authentication using Better-Auth and real-time market visualization via TradingView and Finnhub APIs.
  - Integrated GenAI-driven daily summarization that analyzes market news for all watchlisted stocks (or top global stories when empty), executed through automated Inngest background jobs.
  - Implemented scheduled ingestion pipelines and summarization workflows using Gemini API, enabling users to receive concise, AI-generated market insights updated every day via email.

- **DocsChat: AI-Powered Document Assistant**   Aug 2025 – Sep 2025
  NextJS, NodeJS, Quadrant DB, Drizzle, Gemini API, LangChain
  - Implemented a full RAG pipeline where uploaded documents are chunked, embedded via Gemini API, and stored in QuadrantDB for efficient vector-based retrieval.
  - Built an interactive chat interface that answers user queries by retrieving the most relevant chunks and generating contextual responses using Gemini.
  - Designed a scalable backend workflow with Drizzle and optimized API routing in Next.js, enabling fast document ingestion and low-latency query resolution.

- **FinSmart: AI-Driven Personal Finance Planner**   Jun 2024 – Jul 2024
  NextJS, Tailwind CSS, Gemini API
  - Built a personalized finance planning tool that collects user inputs such as income, expenses, goals, and duration to generate tailored financial roadmaps.
  - Leveraged the Gemini API to analyze user data and produce actionable budgeting strategies, savings targets, and milestone-based recommendations.
  - Developed a clean, responsive UI using Tailwind CSS to deliver clear insights and structured plans for users seeking long-term financial guidance.

INTERNSHIP

- **Front End Intern**   Oct 2024 – Dec 2024
  Shivendra Industries   *React.js, Tailwind CSS, Node.js, PostgreSQL*
  - Designed and developed a responsive home website for clients using React and Tailwind CSS, improving brand visibility and user engagement.
  - Engineered a custom invoice billing system with Node.js and PostgreSQL, enabling automated invoice generation and reducing manual effort by 60%.
  - Delivered full-stack solutions on time, ensuring maintainable code, optimized performance, and client satisfaction across multiple projects.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript

Frameworks / Libraries: ReactJS, NextJS, ExpressJS, FastAPI, REST API

Databases: MySQL, PostgreSQL (Neon, Supabase), MongoDB (MongoDB Atlas)

Developer Tools: Git, GitHub, Docker, Postman, Render, Redux Toolkit, Vercel

Data Structures & Algorithms: 300+ LeetCode problems