Shivam Mittal

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EDUCATION

Vivekananda Institute Of Professional Studies (VIPS-TC) **Nov 2022 - July 2026**
Bachelor of Technology in Computer Science & Engineering (current CGPA of 8.77) *Delhi, India*

PROJECTS

EXPENSE TRACKER *MERN, Typescipt , Multer , JWT, Vercel ,Docker*
Live Demo Frontend GitHub Backend GitHub

- Implemented session-based authentication with centralized logging for API monitoring and error tracking
- Built scalable followers APIs using cursor-based pagination with infinite scroll and private account handling.
- Optimized frontend performance using route/component lazy loading and modal prefetching, reducing bundle size and improving Lighthouse scores.
- Enhanced efficiency by debouncing frequent state updates to minimize redundant API calls and configured secure profile photo uploads using Multer with Cloudinary storage
- Built data-driven APIs for recurring payments, expense history, advanced filtering, and spending trend analysis, including an interactive expense heatmap for financial insights
- Implemented dynamic Excel export (monthly custom date range) with formatted reports using ExcelJS
- Dockerized frontend, backend, and MongoDB; published images to Docker Hub for pull-only deployment via Docker Compose

DEVTINDER *Oct 2025 – Nov 2025*
MERN Stack · REST APIs · Authentication · AWS Deployment
Live Demo Frontend GitHub Backend GitHub

- Built a MERN developer matchmaking platform with JWT-secured profiles, feeds, requests, and connections; added bidirectional, real-time one-to-one chat for matched developers using WebSockets (Socket.IO).
- Deployed the application on AWS EC2 with NGINX as a reverse proxy and PM2 for process management, implementing production-grade environment configuration and server optimization

EXPERIENCE

goSharpener **August 2026 – Present**
On-site Intern
- Automated Excel student mapping and analysis, flagging matched, review-needed, and unmatched records.
- Built file-conversion and tab-sync workflows; now contributing to rollback activity and code reviews.

Web Development Intern **June 2024 – Sep 2024**
AccioJob *College-sponsored internship*
- Built a responsive **Food Restaurant Web App** with features search , filtering , sorting , cart functionality and dynamic routing

ACHIEVEMENTS

- Member, CODEX – Coding Club, VIPS
- **First Freelance Website — React Frontend** advocatenaveengarg.com
  - Built and deployed a responsive React-based frontend on Vercel with a custom domain for a client.
- Earned **Namaste React** (View) and **Namaste Node.js** (View) certificates from **Namaste Dev (Akshay Saini)**

TECHNICAL SKILLS

- **Programming Languages**: C++, Python
- **Web Development**: HTML/CSS, JavaScript, ReactJS, Tailwind CSS, ExpressJS, Node.JS , Redux , WebSockets ,TypeScript ,Redis
- **Databases**: MySQL ,MongoDB
- **Version Control**: Git, GitHub ,Postman ,Docker,Axiom
- **Coursework**: Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks
- **3D Design Tools:**: Adobe Dimension – used for creating 3D product mockups and visualizations

CURRENTLY LEARNING AI *Namaste AI*

- LLM foundations: transformers, tokenization, embeddings, context, and model limitations.
- AI-native workflow: planning to deployment, LLM APIs, and API protection. Next: RAG, agents, chatbots.