TANVI MANDHAN

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Summary

B.Tech (CSE, 2026) graduate with strong problem-solving skills and hands-on experience in backend development, CI/CD automation, and scalable systems. Proficient in Express, React Js, Node.js, C++, with experience in building REST APIs, troubleshooting production issues, and working with RDBMS/NoSQL databases. Strong communicator and collaborative team player, eager to deliver impactful and maintainable software solutions aligned with business requirements.

Education

Institute of Engineering and Technology(IET Lucknow)   Nov 2022 - July 2026
Bachelor of Technology in Computer Science   (CGPA-9.11/10)

Relevant Coursework: Data Structures, Database Management, Operating Systems, Artificial Intelligence

Experience

Marvedge (Web developer intern)   Oct 2025 – present

- Built an interactive demo creation platform with Next.js, React, TypeScript, enabling users to record workflows and generate step-by-step guides.Developed responsive UI components and improved rendering performance by 30 percent using optimized layouts and caching.
- Implemented secure JWT/StackAuth authentication and role-based access for demos and workspaces and Created efficient backend APIs with Node.js, Express, Prisma, reducing data processing time by 25 percent.
- Used PostgreSQL for scalable storage of demos, assets, and metadata.Added real-time collaboration features for live editing and instant updates.

Projects

ORBITHIRE (**CAREER COACH PLATFORM**) **[link]**   June 2025-July 2025

- Built a career assistance platform offering a dynamic resume builder, automated cover-letter generation, and industry specific mock tests to help users prepare for job applications end-to-end.
- Integrated Clerk for secure, session-based authentication and implemented Inngest for reliable background job automation, enabling smooth processing of resume templates, test results, and user activity logs.
- Tools Used: React.js, Next.js, Tailwind CSS, NeonDB, PostgreSQL, Prisma ORM.

CODESAGE (GITHUB QUERY TOOL) [link]   March 2025-May 2025

- Developed a RAG-powered platform enabling semantic search across repositories, delivering context-aware responses generated from vector-embedded documents for improved information retrieval.
- Implemented secure authentication and crafted a clean, responsive UI using Shadcn, backed by fully type-safe API communication through tRPC.
- Built scalable data pipelines for embedding generation and retrieval while ensuring reliable query performance.
- Tools Used: Gemini, Gen AI, LangChain, TypeScript, tRPC, PostgreSQL.

Achievements

- 500+ Problems solved on LEETCODE(Knight)
- 500+ Problems solved on CODEFORCES(pupil)
- 200+ Problems solved onCODECHEF(3 star)
- Secured 326th rank among 25,000+ participants in an online coding contest on CodeChef
- Ranked under 35 in the Howzat contest on HackerRank
- Ranked under 1500 among 30,000+ participants in Leetcode Weekly contest 470
- Secured 2nd place in Internal Hackathon 2023 (Smart India Hackathon)
- **Certifications:** Full Stack Web Development (Udemy), Generative AI Virtual Experience(Forage), Technology Consulting Virtual Internship (Deloitte)

Technical Skills

- **Languages:** C,C++, Python, SQL
- **Frontend/Backend:** React.js, Next.js, Tailwind CSS, HTML, JavaScript, Shadcn
- **Backend:** Node.js, Express, MongoDB, MySQL, Firebase, PostgreSQL, Bootstrap
- **AI/ML:** LangChain, RAG, Generative AI, OpenAI APIs, Claude, Gemini
- **Developer Tools:** VS Code, Sublime Text, GitHub, Vercel,Redis,Postman

Extra curricular Activities

- Class representative of Computer science and engineering branch in Btech stream in IET Lucknow.
- An active listener with strong interpersonal skills and able to communicate effectively in team settings.