

# Navneet Gupta

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## EXPERIENCE

### Full Stack Developer

Feb, 2025 – Present

Tata Consultancy Services (Client: IBM)

Bangalore, India

- Engineered scalable full-stack features for enterprise AIOps and incident monitoring platforms.
- Designed and optimized secure REST APIs to improve backend performance and service reliability.
- Built real-time dashboards for incident monitoring, log analysis, and operational insights.
- Implemented real-time data processing pipelines to accelerate incident detection and resolution.
- Collaborated with cross-functional teams in Agile environments to deliver production-grade features.

## PROJECTS

### AI Workflow Automation Platform (N4N)

Next.js, TypeScript, Node.js, Express, PostgreSQL, React Flow, FastAPI, Docker Mar, 2026 – Current

- Built a workflow automation platform similar to n8n enabling users to visually design AI-powered workflows using a node-based editor.
- Developed scalable backend services using Node.js and Express with PostgreSQL for workflow storage and execution state management.
- Integrated Python FastAPI services for AI task execution and LLM-based automation capabilities.
- Implemented interactive workflow builder using React Flow with support for dynamic node connections and real-time execution updates.

### AI PDF Chat Application (RAG)

Python, Streamlit, FastAPI, LangChain, Vector DB(Qdrant), Docker Dec, 2025 – Jan, 2026

- Developed a Retrieval-Augmented Generation (RAG) application allowing users to upload PDFs and interact with documents using natural language queries.
- Implemented document ingestion pipeline with chunking, embeddings generation, and vector database storage for semantic search.
- Built FastAPI backend to handle query processing and context retrieval using LangChain pipelines.
- Designed REST APIs integrated with a Node.js frontend for real-time conversational document interactions.

## SKILLS

**Languages:** JavaScript (Node.js), TypeScript, Python, Java, C++, SQL

**Frameworks & Libraries:** Express.js, FastAPI, React.js, Next.js, TailwindCSS, LangChain, React Flow

**Databases:** PostgreSQL, MongoDB, MySQL, Redis, Vector Databases (Chroma, Pinecone)

**Backend & Architecture:** REST APIs, WebSockets, Microservices, Event-Driven Architecture, RAG Systems

**DevOps & Tools:** Git, GitHub, Docker, Docker Compose, AWS, GitHub Actions, Linux, Nginx

**Computer Science:** Data Structures and Algorithms, System Design, Database Management Systems

## ACHIEVEMENTS

**Microsoft Azure Certification:** Earned Microsoft Azure Fundamentals (AZ-900) certification, demonstrating foundational knowledge of cloud computing and Azure services.

**J.P. Morgan Virtual Internship Program:** Participated in the J.P. Morgan Software Engineering virtual internship program, gaining exposure to financial software systems and stock portfolio analysis.

**Competitive Programming:** Solved 800+ algorithmic problems across coding platforms including LeetCode and Codeforces, strengthening problem-solving and data structures skills.

## EDUCATION

United Institute of Technology, Allahabad

Prayagraj, India

Bachelor of Technology in Computer Science and Engineering (CGPA – 7.72)

Nov, 2020 – Jun, 2024