

# Yatin Naib

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## EDUCATION

**Netaji Subhas University of Technology(NSUT)**

2021-2025

B.Tech in Biotechnology Engineering /

Relevant Courses: Programming Fundamentals , C , OOP , Data Structures and Algorithms

## PROJECTS

### SecureWatch-AI

**GenAI-Driven Network Ops Copilot**

*FastAPI, Google GenAI, React, Tailwind*

- Architected a data platform for network observability, integrating LLMs for the ingestion and analysis of network logs to enable intelligent automation and root cause inference in FinTech-like systems.
- Designed Retrieval-Augmented Generation (RAG) workflows to process large volumes of observability data, enabling automated incident resolution.
- Implemented real-time MQTT messaging for handling network events in IoT, WAN/LAN, and 4G/5G simulated systems.
- Created a responsive dashboard with React+Tailwind+Radix UI for visualizing alerts, metrics, and AI recommendations.

### TuneStream

**Collaborative Music Queuing for Your Party**

*TypeScript, NextJS, Tailwind, Prisma, PostgreSQL*

- Built a robust backend using PostgreSQL with Prisma ORM to ensure data integrity for a real-time music queuing application and used Next.js for a responsive frontend.
- Integrated NextAuth.js for secure user authentication, allowing users to create music spaces, add songs, and vote on tracks and also used Recoil for state management.
- Implemented a FastAPI WebSocket server for real-time updates on upvotes, downvotes, and new song additions, enhancing user interaction during events.

### WhiteBoard

**Real-time Collaborative Whiteboard for Designing and more**

*MERN, Socket.IO, Canvas API*

- Developed a real-time collaborative whiteboard using MERN stack and Socket.IO, enabling multiple users to draw, erase, and annotate simultaneously with low-latency synchronization.
- Implemented features like freehand drawing, color palette, shape tools, undo/redo, and user presence indicators, ensuring an interactive and user-friendly canvas.
- Added user presence indicators and session management, allowing participants to see who is online and collaborate seamlessly.

## SKILLS

**Programming Languages:** Java, Python, C#, TypeScript/JavaScript, HTML, CSS, MySQL, SQL

**Databases:** MongoDB, Mongoose, PostgreSQL, Prisma ORM, DBMS

**Frameworks:** React.js, Express.js, Socket.io, Next.js, Tailwind CSS, Bootstrap, Spring (with Spring Boot), Microservices

**Technologies & Tools:** Node.js, Git/Github, RESTful APIs, FastAPI, WebSockets, Radix UI, Agile, AWS, CI/CD, Docker

**Data & AI Platforms:** LangChain, LLM Integration, GenAI Workflows, Prompt Engineering, Retrieval-Augmented Generation (RAG), Observability, Network Events, Root Cause Inference, 4G/5G, IoT, WAN/LAN, SDN basics

**Core Concepts:** Data Structures and Algorithms, Object-Oriented Programming(OOP), Operating Systems, Computer Networks

## CERTIFICATION & ACHIEVEMENTS

- **Deloitte Australia Technology Job Simulation on Forage - August 2025** Completed a job simulation involving development as well as coding and Wrote a proposal for creating a dashboard
- **Wells Fargo Software Engineering Job Simulation on Forage - August 2025** Analyzed requirements to build a financial portfolio management system, identified key data, designed entity relationship diagram (ERD), and implemented them in IntelliJ before publishing to GitHub.
- **Google Cloud Skill Boost** — Introduction to Generative AI (2025)
- Cisco Networking Basics (2025)