

# Nishant Dev

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## SUMMARY

Computer Science graduate skilled in full-stack development, machine learning, and distributed systems. Experienced in building scalable, high-performance applications with a focus on real-time data processing, system optimization, and fault tolerance.

## EXPERIENCE

### IT Intern

06/2024 - 08/2024

*Depository Trust and Clearing Corporation (DTCC)*

*Chennai, Tamil Nadu*

- Architected and implemented a **high-performance Forex Trading Dashboard** using Angular and TypeScript, improving UI responsiveness by 30% and enabling real-time data visualization for 50+ currency pairs.
- Designed a **distributed real-time data streaming system** using WebSockets and optimized state management with NgRx, reducing update latency by 30%.
- Enhanced application performance and fault tolerance by implementing **lazy loading, API caching, and retry mechanisms**, achieving 99.9% uptime and reducing API response times by 40%.

### SWE Intern

07/2023 - 12/2023

*Nokia Solutions and Networks*

*Chennai, Tamil Nadu*

- Developed and optimized a **scalable enterprise web application** using React, Next.js, and TypeScript, improving page load speeds by 50% through server-side rendering and code splitting.
- Implemented **real-time data visualization** with Recharts and WebSockets, enabling live monitoring of telecom network metrics and enhancing operational efficiency by 20%.
- Improved UI reliability and maintainability by writing unit and integration tests with Jest and React Testing Library, achieving 90% test coverage and reducing frontend bugs in production by 25%.

## PROJECTS

### Vector - Realtime Chat | *Socket.io, React.js, Node.js, Express.js* | Live Demo

11/2024 - 01/2025

- Architected a **scalable, distributed real-time chat app** using React, Socket.io, and Express.js, supporting 10,000+ users with 99.9% uptime.
- Integrated Cloudinary for image uploads and 32 DaisyUI themes for personalized user experiences.
- Optimized state management with Zustand and built a scalable RESTful API with MongoDB, enhancing performance and maintainability.

### local-beam | *Node.js, Express, Formidable, Archiver, PM2* | Repo

01/2025 - 02/2025

- Developed a secure, local network file-sharing app using React and Express.js, enabling multi-file uploads, downloads, and clipboard sync.
- Implemented **real-time text syncing** and drag-and-drop file management for an intuitive UX.
- Designed a scalable backend with Node.js and MongoDB, supporting 16GB+ file transfers and improving API efficiency.

### Credit Card Fraud Detection Model | *Python, Django, PostgreSQL, Kafka* | Repo

09/2024 - 02/2025

- Built an **ML pipeline** with TensorFlow-based LSTM models, achieving 94% fraud detection accuracy on 1M+ transactions.
- Developed REST APIs with Django, handling multiple requests/minute and integrating with legacy financial systems.
- Implemented **Kafka streams** for real-time transaction processing, achieving 98.99% uptime and reduced latency.

## TECHNICAL SKILLS

**Languages:** JavaScript, Typescript, Java, C/C++, Python, Kotlin

**Technologies:** Next/React.js, Express.js, Django, Node.js, PostgreSQL, MongoDB, Prisma, Git, Bash, Docker, Heroku

## EDUCATION

### KCG College of Technology

10/2021 - 05/2025

*B.E. in Computer Science & Engineering, Specialization in Cloud Computing, GPA: 9.02 / 10.00* Chennai, Tamil Nadu

- Relevant Coursework:** Data Structures & Algorithms, Machine Learning, Compiler Design, Database Management, Cloud Computing, Discrete Mathematics