

# NEEL SANGHVI

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## Education

### Gujarat Technological University

Bachelor of Technology in Information Technology (CGPA of 9.11)

08/2019 – 05/2023

Ahmedabad, Gujarat, India

## Experience

### Neomenta Ltd.

02/2023 – 03/2025

Software Development Engineer - (ReactJs, Typescript, Redux, MUI, AWS, LLMs, MMKV, SQLite)

Ahmedabad, India

- Developed modular UI component library using **design patterns** and launched Template Store, reducing manual development effort by **50%** and ensuring interface consistency.
- Implemented a **WebSocket Pub/Sub** for real-time messaging and collaborative editing with **conflict resolution**, ensuring seamless data sync and preventing data loss.
- Developed real-time tracking system using **Google Maps API** to monitor sales personnel locations and built enterprise analytics dashboard with **React ChartJS** to visualize performance metrics and user engagement data.
- Enhanced React Native app performance with **MMKV** and **SQLite** for efficient token management, caching, and offline chat functionality, improving data persistence and reducing application load times.
- Optimized UI performance using **Web Vitals** and replaced React Native Paper with a custom component, achieving **25%** faster execution and reducing API calls for improved user experience.
- Built an LLM-based ticket categorization system using **Amazon Bedrock (Sonnet 4 model)**, **AWS Lambda**, and **S3**, automating triage of 300+ monthly support tickets across UI, backend, and database teams.
- Achieved **99%** classification accuracy, reducing manual analysis time by 600 minutes/month and minimizing routing errors through a self-improving feedback loop.
- Integrated **AWS SES** for auto info requests and **CloudWatch** for data quality metrics to improve ticket input and inform code enhancements.

### ShopBonanza

05/2022 – 07/2022

Frontend Developer Intern - (NextJs, Tailwind CSS)

Remote, India

- Designed a responsive landing page using NextJs and implemented secure user authentication with **NextAuth**, streamlining access management and enhancing user experience.
- Created an efficient cart system with React Context API to manage wishlist data and optimized website performance, achieving a **40%** improvement in Search Engine Optimization (**SEO**).

## Projects

**Event Management System** | Turborepo, NextJs, Typescript, Tailwind CSS, NestJs, Prisma, PostgreSQL, Docker | [Source Code](#)

- Designed a full-stack event ticketing solution with secure payment processing and real-time seat selection, providing functionality comparable to BookMyShow.
- Introduced a monorepo architecture using Turborepo with Docker containerization and integrated NextAuth for secure authentication with multiple sign-in options.

**Sa Re Ga Ma** | NodeJs, Puppeteer | [Source Code](#)

- Launched a comprehensive music bot with Play, Pause, Resume, Skip, and Stop commands for seamless music playback control.
- Utilized YouTube's algorithm and Puppeteer framework within NodeJs to create an automated recommendation system for enhanced user experience, resulting in a **10x** user growth.

## Achievements

- Secured **1st Place** in ACM International Collegiate Programming Contest (**ICPC**) at university level, advanced to Regional Finals, mastered Data Structures and Algorithms by solving **500+** challenges on **LeetCode**, and published a technical article on Competitive Programming for **GeeksForGeeks**.
- Led the CodeChef College Chapter, delivering Data Structures and Algorithms instruction to **100+** students over one year, and ranked **114th** globally among 15,000+ participants on **CodeChef**.

## Skills and Technologies

**Languages:** Javascript, Typescript, C, C++, Java, Python, SQL

**Frontend:** ReactJs, NextJs, React Native, Redux, Recoil, Zustand, TailwindCSS, MUI

**Backend:** NodeJs, NestJs, ExpressJs, WebSocket

**Databases:** MongoDB, PostgreSQL, Firebase, Prisma ORM, MySQL

**DevOps:** Docker, CI/CD with Github Actions, AWS, Cloudflare Workers

**Other Tools & Technologies:** LLMs, Redis, Kafka, Serverless Functions and Architecture, WebRTC, Supabase

## Certificates

**HackerRank:** Frontend Developer [\[Link\]](#), Problem Solving (Intermediate) [\[Link\]](#)

**Qwiklabs:** DevOps Essentials [\[Link\]](#), Google Cloud Essentials [\[Link\]](#)