Nikhil Sharma

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EDUCATION

Vellore Institute of Technology   *Aug 2023 – May 2027*
Bachelor of Technology in Computer Science and Engineering   *CGPA: 9.34*

TECHNICAL SKILLS

Programming Languages: Go, Java, TypeScript, JavaScript, C/C++, Python, Rust
Frameworks & Libraries: Spring Boot, Next.js, React.js, TanStack Query, Nest.js, Vue.js, Express.js, Flutter
Databases: PostgreSQL, ClickHouse, MongoDB, MySQL, Prisma, Drizzle, Redis
DevOps & Tools: Docker, Docker Compose, Git, Bash, Node.js, Linux
Testing & Automation: Cypress, Storybook, Artillery (load testing)

EXPERIENCE

Adxpert
Software Developer — Internship   *Jun 2025 – Jul 2025*

- Implemented a flexible custom report system using **Spring Boot and PostgreSQL**, enabling filters, metrics, and user-scoped access across workspaces.
- Designed backwards-compatible model evolution by making DB fields optional and **patching defaults at the service layer**, maintaining **100% compatibility with legacy reports**.
- Engineered performant, reusable frontend modules with **React, TanStack Query, and Tailwind**, improving dashboard responsiveness and **reducing re-renders by 20%**.

Tevatel
Software Developer — Full-Time   *Feb 2025 – Jun 2025*

- Implemented **large language models** (**LLMs**) using **Generative Playbooks** to enhance user experience and automate complex workflows.

Software Developer — Internship   *May 2024 – Feb 2025*

- Engineered **multi-lingual voice bots** using **Dialogflow ES, CX**, increasing overall customer engagement.
- Optimized **voice activity detection**, reducing **Azure Speech-to-Text costs** by **30%**.
- Resolved **race conditions** and **live-debugged memory leaks** in the Node.js app, improving system stability.

Ministry of Electronics and Information Technology
Front-End Developer — Internship   *Mar 2024 – Jul 2024*

- Crafted **10+ pages** using **React.js**, **TailwindCSS**, and **MedusaUI**, ensuring maintainable code structure.
- Utilized **Storybook** to catalog and test **30+** React components, decreasing the time spent on manual UI testing.
- Leveraged **Cypress** for **End-to-End integration testing**, achieving **95%** test coverage.

PROJECTS

Clutter Analytics | *Go, Next.js, ClickHouse, PostgreSQL, Redis*   *Mar 2025 – Apr 2025*

- Designed a complete **web analytics** platform with the capacity to handle over **400K+ events per minute** (tested with **Artillery**).
- Developed **3 major microservices** - event collection API, analytics dashboard, and analytics dashboard API.
- Containerized the application using **Docker** and **Docker Compose**, facilitating consistent deployments across development, and production environments.

Xelt | *TypeScript, Node.js, MongoDB*   *Jul 2020 – Aug 2023*

- Built a high-performance **real-time** audio streaming service, reliably serving over **1K+ concurrent users**.
- Integrated with **Discord** and deployed on an **Ubuntu** VPS using **PM2**, ensuring **99% uptime**.
- Led three major codebase refactors to improve scalability and boosting throughput by **60%**

ACHIEVEMENTS

Pentathon: Ranked AIR 5 in a cybersecurity contest conducted by NCIIPC-AICTE.   *2024*