Nikhil Singh

+91 9569658956 | imnik2511@gmail.com |
https://www.linkedin.com/in/nikhil-singh-sde/ | https://www.github.com/nikk2511 |

https://leetcode.com/u/nikkqwe/ | https://vercel.com/nikk2511s-projects

Uttam Nagar, Delhi - 110059, India

OBJECTIVE

Computer Science undergraduate skilled in C, C++, JavaScript, and full-stack web development using MERN, Next.js, and TypeScript. Experienced in building responsive UIs, implementing authentication, and managing databases with MongoDB. Seeking an entry-level Software Development Engineer (SDE) role to apply problem-solving skills, core CS knowledge, and a passion for developing scalable software solutions.

SKILLS

- **Programming:** C, C++, JavaScript
- **Web Development:** HTML, CSS, Node.js, Express.js, React
- **Database:** MongoDB
- **DevOps & Tools:** Git, GitHub, CI/CD, Terraform
- **Core CS:** Data Structures & Algorithms, Operating Systems, Computer Networks

PROJECTS

- **Anon Chat - Anonymous Messaging Web Application   (Live- 🔗)**   *Nov 2024 – Jan 2025*
  Tools: Next.js, TypeScript, NextAuth.js, shadcn/ui, Tailwind CSS, MongoDB

  ◦ Developed a web app that enabled **100+ users** to share and receive anonymous feedback securely.

  ◦ Implemented **authentication and protected dashboard** with NextAuth.js, improving security for **100% of active sessions**.

  ◦ Designed and deployed a **responsive UI** that reduced bounce rate by **30% during testing**.

  ◦ Managed and stored **500+ feedback entries** efficiently using MongoDB APIs.

- **AI Chatbot for Pooja – RAG-Powered Conversational Assistant**   *2025*
  Tools: FastAPI, Next.js, LangChain, OpenAI API, VectorDB (Chroma), MongoDB
  ◦ Developed an **AI chatbot** to provide personalized Pooja-related assistance, tested with **50+ users**.
  ◦ Built a **FastAPI backend** to manage API requests, authentication, and integration with RAG pipeline.
  ◦ Implemented **Retrieval-Augmented Generation (RAG)** using **LangChain + VectorDB**, enabling context-aware responses from **1,000+ stored documents**.

  ◦ Achieved a **30% improvement in response accuracy** by combining embeddings with domain-specific retrieval.

EDUCATION

- **Lloyd Institute of Engineering and Technology**   *Aug 2021 – July 2025*
- *Bachelor of Technology in Computer Science*   Greater Noida, Uttar Pradesh

ACHEIVEMENTS

- Completed 200 Hours of Training on Problem Solving using Data Structures Participated in a workshop on Algorithmic Thinking Problem Solving
- Earned a Participation Certificate in 24-Hour Code-A-Thon, organized by LIET
- Earned a Participation Certificate in 24-Hour Code-Farming, organized by LIET

CERTIFICATIONS

- IBM Full-Stack Software Developer 🔗
- Postman API Fundamentals Student Expert 🔗
- Responsive web design 🔗
- IBM Full-Stack JavaScript Developer 🔗
- Computer Science Fundamentals 🔗
- IBM DevOps and Software Engineering 🔗