NIKHIL RAI

Faridabad, Haryana

+91 8700520883 | nikhilrai737@gmail.com | LinkedIn | GitHub

EDUCATION

J. C. Bose Institute of Science and Technology, YMCA **Faridabad, India**
B.Tech in Computer Science (Data Science Specialization) *Dec 2021 – June 2025*
– CGPA: 7.8/10

D.C. Model Sr. Sec School **Faridabad, India**
Higher Secondary Certificate (CBSE) *2020*
– Percentage: 94.4%

EXPERIENCE

Indian Oil Corporation Limited **Jan 2025 – Jun 2025**
Software Engineer Intern (Full Stack & Cloud Development)
– Developed a full-stack **document search engine** using Next.js and RESTful APIs, **reducing retrieval time by 40%** and improving user experience.
– Implemented **OCR-based ingestion**, lemmatization, and tokenized indexing for **95%+ search accuracy**; integrated inline PDF previews for quick content access.
– Automated Excel-to-Oracle SQL **ETL pipeline**, achieving **100% error-free uploads** and reducing manual workload by **80%**.
– Collaborated via Git for version control and code reviews, ensuring maintainable, high-quality code and efficient agile development cycles.

PROJECTS

Healthcare Management WebApp | GitHub: Link **Next.js, TypeScript, Tailwind CSS, Appwrite, Twilio**
– Built a healthcare platform enabling appointment booking, doctor-patient messaging, and automated reminders via email/SMS.
– Designed an admin dashboard to manage appointments, cancellations, and notifications, streamlining healthcare workflows.
– Improved patient engagement and reduced missed appointments by **25%** through real-time updates.

Employee Management System | GitHub: Link **React.js, Tailwind CSS, Context API**
– Developed dashboards for task management, performance tracking, and productivity visualization.
– Integrated Context API and Local Storage for persistent state management, enhancing user experience and reducing data loss.
– Improved task completion monitoring by enabling status-based visual analytics.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript
Frameworks & Libraries: React.js, Next.js, Node.js, Redux, Tailwind CSS
Databases: Oracle SQL, MySQL
Tools & Platforms: Git, GitHub, Docker, AWS, VS Code
AI/ML: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision
Core Concepts: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks

ACHIEVEMENTS & CERTIFICATIONS

Competitive Programming: Solved 600+ DSA problems across platforms.
LeetCode: Contest Rating 1690+, 200 Days Badge.
Profiles: LeetCode, GeeksforGeeks