Nikhil Singh

☎ +91 9368752606 | @ nikhilsingh672001@gmail.com | in LinkedIn | ⭗ GitHub | ⚲ Portfolio

EDUCATION

Dr B R Ambedkar National Institute of Technology Jalandhar (NITJ) Jalandhar, Punjab
*B.Tech in **Information Technology*** *Sep 2021 – July 2025*

TECHNICAL SKILLS

Languages & Frameworks: C++, Python, SQL, React.js, Angular, Node.js, Express.js, Spring Boot
Tools & Cloud: GitHub, Docker, AWS, MySQL, MongoDB, RESTful APIs, JWT, OAuth2, CI/CD
Core Competencies: Data Structures & Algorithms (750+ solved), OOPs, DBMS, OS, Microservices

EXPERIENCE

Mphasis Limited | Software Engineer Nov 2025 – Present
- **Architecting scalable Spring Boot microservices** and **Angular** modules on **Azure**, targeting a **30% improvement** in system reliability and onboarding efficiency.
- **Engineered OAuth2/JWT security** protocols and optimized UI using **Tailwind CSS & TypeScript**, aiming to **reduce response times by 25%**.
- **Optimized CI/CD workflows** via **Azure DevOps** and led code reviews, enhancing deployment frequency and maintaining high code-quality standards.
- **Exceeded performance benchmarks** during comprehensive full-stack evaluation, demonstrating mastery in **MEAN stack** and **API architecture**.

Biz2Credit (Biz2X) — Associate Software Engineer Intern Sep 2025 – Nov 2025
- **Increased infrastructure visibility** by developing a **DevOps dashboard** using **React and Flask**, reducing incident response time by deploying on **scalable AWS EC2** instances.
- **Automated 100%** of SSL/TLS certificate lifecycles by integrating **AWS ACM and Boto3**, eliminating manual validation errors across all internal and external domains.
- **Reduced security risks** by engineering a **serverless AWS Lambda** workflow that monitors certificate expiry and auto-generates **Jira tickets**, ensuring zero downtime.

Mphasis Limited — Trainee Software Engineer Feb 2025 - May 2025
- Engineered a full-stack onboarding portal using **Spring Boot** and **Angular**, reducing onboarding time by over 95% and increasing platform adoption across internal teams.
- Designed and integrated core modules including, automated notifications, and workflow dashboards; developed responsive, API-driven UIs that improved data processing speed by 30%.
- Collaborated in **Agile sprints** for iterative delivery and cross-team communication.

PROJECTS

Cloud Share – Full Stack File Management System
- Engineered a full-stack file hosting platform using **React.js** and **Spring Boot**, featuring secure file uploads, downloads, and a dynamic public/private visibility toggle.
- Architected a secure backend with **Spring Security** and **Clerk Authentication**, implementing data isolation to ensure users can only access and manage their own private directories.
- Integrated **Razorpay API** for a premium subscription model, developing server-side logic for order creation, payment verification, and automated transaction history logging.
- Leveraged **MongoDB** for scalable metadata storage, enabling efficient retrieval of file attributes and generating secure, unique shareable links for public assets.

QuizEasy – Full Stack Quiz Application
- Developed a full-stack quiz platform using **Next.js**, designing backend APIs for quiz and user data.
- Implemented dynamic question generation using the **Google Gemini API**, providing randomized, topic-specific quizzes to aid focused preparation.
- Built analytics features including score breakdowns, accuracy tracking, and time-taken insights.

POSITIONS AND ACHIEVEMENTS

Placement Representative, NITJ: Secured 10+ companies for campus recruitment .

GATE 2025: Qualified the national-level exam for Computer Science (Top Percentile).