

NABEEL KHAN

APPLICATION ENGINEER

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A final-year Computer Science student with strong foundations in Java, Data Structures, and Back-end System Design. Proven experience in implementing and integrating scalable applications by means of RESTful APIs, databases, and cloud platforms. Demonstrates strong dedication to solving complex problems with clean, testable code that contributes to high-impact internal business systems. Actively seeking opportunities to apply and expand technical expertise while contributing to impactful software solutions.

TECHNICAL SKILLS

Programming Languages

- Java (Core, OOP)
- Python (basic scripting & automation)
- C++ (DSA)

Backend & Systems

- RESTful API Design
- Application Integration
- Authentication & Authorization
- SDLC (Design, Build, Test)

Databases

- MongoDB
- SQL

Cloud & DevOps

- Google Cloud Platform
- AWS (EC2, S3)
- Deployment basics

Core CS

- Data Structures & Algorithms
- Object-Oriented Design
- DBMS
- Operating Systems (basic)

EDUCATION

Bachelor of Technology (Computer Science)

2022 – Present

Chameli Devi Group of Institutions, Indore

CGPA: 7.39 (Present)

Senior Secondary (Class XII)

Year: 2022

Board: CBSE

Percentage: 62.8%

Secondary (Class X)

Year: 2020

Board: MP Board

Percentage: 80%

PROFESSIONAL EXPERIENCE

"MERN" Training / Internship Program

March 2025 - April 2025

- Developed **6+ RESTful API endpoints** using Node.js and MongoDB, focusing on request validation and structured data modeling.
- Followed SDLC practices across **2 development iterations**, delivering maintainable backend components with testing support.
- Followed software development life cycle (SDLC) practices including requirement analysis, implementation, and testing to deliver maintainable and scalable backend components.
- Collaborated with team members to debug backend issues and improve API reliability using clean coding practices.

PROJECTS

Hotelier – Hotel Room Booking System

March 2025 – April 2025

Technology Stack: Node.js, Express.js, MongoDB, React

- Engineered a server-driven hotel booking system with 8+ RESTful APIs to manage room availability, reservations, and cancellations for 20–30 rooms.
- Integrated RBAC with 2 user roles (admin, customer) to securely manage booking and administrative workflows.
- Modularized backend services into 4 functional components (users, rooms, bookings, authentication), improving maintainability and scalability.
- Ensured data consistency across multiple collections using schema validation and centralized error handling.

Asset Management Portal

April 2025 – June 2025

Technology Stack: React, Node.js, Express.js, MongoDB

- Developed a backend-centric asset management system to manage **50+ assets** across **4–5 departments** within an institution.
- Built **10+ RESTful APIs** supporting complete asset lifecycle operations including create, update, assign, and decommission.
- Enforced RBAC with **2 access levels** to ensure secure administrative control and authorization.
- Optimized MongoDB schemas handling **multiple asset categories and status states**, improving query efficiency and reporting.

CERTIFICATIONS

- NPTEL - Database Management System (Elite) | Score: 65%
- NPTEL - Cloud Computing (Elite) | Score: 68%
- Oracle Cloud Infrastructure AI Foundation Associate | Score-95%

ADDITIONAL INFORMATION

Regularly practices data structures and algorithm problems to strengthen problem-solving and logical thinking. Comfortable reading and working with existing codebases, debugging issues, and implementing incremental improvements.

Maintains a consistent fitness routine, reflecting discipline and long-term commitment.