

Nikhil Mahajan

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TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, SQL

Java Technologies: Spring Boot, Spring MVC, Spring Data JPA, Hibernate, RESTful APIs, JUnit, Maven

Frameworks & Tools: Django REST Framework, Flask, FastAPI, React.js, Serverless Framework, Docker, Git, GitHub, Postman

Databases: PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS Lambda, AWS SQS, AWS EC2, Serverless Architecture, CI/CD

EDUCATION

Zeal College of Engineering

Bachelor of Engineering in Information Technology; GPA: 8.8/10

Pune, Maharashtra

Expected Jun 2027

Relevant Coursework

Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Web Technologies

WORK EXPERIENCE

Software Developer Intern

Banao Technologies

Apr 2025 – Oct 2025

Remote

- Designed and deployed 30+ scalable RESTful APIs using Serverless Framework and AWS Lambda, handling 5000+ daily requests
- Implemented asynchronous message processing with AWS SQS, improving task dispatch efficiency by 40%
- Built robust data models using ORM frameworks, optimizing database queries and reducing execution time by 35%

Backend Developer Intern

Heuristic Technopark

Jun 2023 – Jul 2023

Nashik, Maharashtra

- Developed RESTful web services using Django REST Framework, improving API response times by 40%
- Implemented JWT-based authentication and optimized PostgreSQL queries, reducing server costs by 15%

PERSONAL PROJECTS

Banking Management System

Spring Boot, Spring Security, JWT, PostgreSQL, Hibernate, Docker

Nov 2025

Live Demo

- Built enterprise banking application with Spring Boot handling account management, transactions, and RBAC for Admin, Employee, and Customer roles
- Implemented JWT authentication using Spring Security with BCrypt encryption and developed RESTful APIs for deposits, withdrawals, and fund transfers
- Designed normalized PostgreSQL schema using Spring Data JPA and Hibernate, containerized with Docker for deployment

LearnLabs - AI Course Generator

React, FastAPI, JWT, REST API, PostgreSQL

Oct 2025

Live Demo

- Built full-stack learning platform with JWT authentication, RESTful APIs, and AI-powered content generation reducing course creation time by 75%
- Optimized API performance through database indexing achieving 45% reduction in response latency

ACHIEVEMENTS & CERTIFICATIONS

Solved 400+ algorithmic problems on LeetCode, GeeksforGeeks, and HackerRank with focus on Java implementations

Participated in IIT Guwahati's 2025 Data Science Hackathon, applying data processing techniques to real-world challenges

Published 4+ technical blogs on Medium covering backend development, design patterns, and software architecture

Strong understanding of OOP principles, design patterns (Singleton, Factory, Observer), and clean code practices