

HIMANSHU JOSHI

Computer Science and Engineering Student

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Professional Summary

I'm a second-year Computer Science and Engineering student with a strong foundation in Data Structures, Algorithms, and Object-Oriented Programming. I've solved over **700 problems on LeetCode with a streak of over 400 days**, demonstrating consistent problem-solving ability. Currently building backend projects using Spring Boot and PostgreSQL. **Fluent in both Hindi and English**, I bring strong communication skills, adaptability, and a collaborative mindset.

Education

Bachelor of Technology in Computer Science and Engineering
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
Batch: 2023 - 2027

Skills

Languages: Java (Primary), C++, Python
Technologies: Spring Boot, REST APIs, JDBC, Spring Data JPA
Database: PostgreSQL
Tools: Git, GitHub
Concepts: DSA, OOP, Problem Solving, Communication, Team Collaboration

Projects

Search Engine Backend – Web Crawler & Reverse Indexer on Spring Boot

- Designed and developed a modular backend system that mimics core search engine functionality.
- Built a web crawler to extract titles and body content from seed URLs and store them in PostgreSQL.
- Implemented a custom reverse indexing module to tokenize and map keywords to documents for efficient retrieval.
- Integrated stop word filtering and frequency scoring to improve the relevance of search results.
- Applied clean architecture principles using services, repositories, and utility layers for scalability and maintainability

URL: github.com/Himanshu41311/Search-Engine-Backend-Web-Crawler-Reverse-Indexer

Achievements

- Maintained an 8.4 GPA.
 - Top 10% globally on LeetCode, Global Rank ~60,000
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Interest

- Software Development
- Competitive Programming
- Backend Development