

Harsh Bohra

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EDUCATION

Guru Gobind Singh Indraprastha University
Bachelor of Technology in Computer Science Engineering

Delhi, India
Nov 2022 - present

PROJECTS

HMRS|Spring Boot, Java, REST APIs, PostgreSQL, Spring Data JPA, React.js, TypeScript, Vite, Axios, Tailwind CSS.

- Built RESTful Spring Boot APIs for job ads, positions, cities, employers, and seekers using Spring Data JPA + PostgreSQL..
- Implemented secure registration workflows for job seekers and employers, including server-side validation, DTO-based request handling, global exception handling, and clear API responses to improve robustness.
- Integrated frontend-backend via an Axios service layer with interceptors for consistent API communication..

HYDROSENSE|AI-powered web application to predict flood risk for any location using machine learning and real-time weather data.

- End-to-end system with FastAPI backend serving a trained CatBoost model and a modern React + TypeScript frontend for interactive, map-based flood risk assessment.
- Delivered real-time, user-friendly insights with risk-level classification (Low/Medium/High), confidence scoring, interactive risk gauges, and 30-day weather visualizations on a responsive, glassmorphism-based UI.
- Tech Stack: Python, FastAPI, CatBoost, Pydantic, HTTPX, React, TypeScript, React Leaflet, Recharts, Axios.

CONTACTCORE| Java, Spring Boot, MySQL, Thymeleaf, Tailwind CSS, Docker, Cloudinary, OAuth2

- Built a secure contact management system with **authentication, role-based authorization**, and session handling using Spring Security
- Engineered a robust security layer using Spring Security and OAuth2, integrating Google and GitHub login providers alongside custom JWT/Session-based authentication to ensure data privacy and secure access control.
- Implemented scalable media handling by integrating Cloudinary for optimized image storage and transformation, reducing server load and improving page load times for contact profiles.

ACHIEVEMENTS

- Solved **800+** DSA problems on multiple Platforms ; Leetcode global rank ~**1700**.
- Certified in Data Structures & Algorithms (Java) by Coding Ninjas, demonstrating proficiency in algorithms, data structures, and problem-solving techniques
- Led a team of 4 to **hackathon** develop a full-stack application using Spring Boot (backend) and React JS (frontend), integrating a trained ML model served via FastAPI for real-time predictions.

TECHNICAL SKILLS

- **Programming Languages** : JAVA(Proficient), JavaScript, Python, C++, HTML, CSS, SQL
- **Frameworks**: Spring Boot, React.js, ,FastAPI
- **DataBases**: MongoDB, PostgreSQL
- **Developer Tools**: Git, Docker, Postman, VS Code, Maven, Cloudinary, Postman, IDE

Certifications

- **Spring Boot Essentials** – Coding Ninjas
- Data Structures in **Java** – Coding Ninjas
- Web Development with **React.js** – Coding Ninjas
- **Python** using AI tools – AIForTechies