

EDUCATION

Chandigarh University, Punjab, India

2021 - 2025

- Bachelor of Engineering (B.E.) in Computer Science with Specialization in Big Data Analytics

EXPERIENCE

Software Developer Intern

09/2023 - 10/2023

Bhaskaracharya National Institute for Space Applications and Geo-Informatics (BISAG-N)

New-Delhi

- Engineered high-performance web applications utilizing **Spring Boot** and **MVC frameworks**, leading to improved load times by 30% and enhancing user experience for over 2,000 daily active users.
- Coordinated efforts among cross-functional groups to **optimize database queries**, resulting in a reduction of query execution time by over two minutes per transaction on critical processes within the web applications.

POSITIONS OF RESPONSIBILITY

Events Team Lead

01/2022 - 01/2023

HackOverFlow Society

Chandigarh University

- Led the coordination of logistics for **four major events** in 2022, utilizing feedback from over **200 post-event surveys** to identify key areas for improvement and enhance future planning strategies.
- Streamlined **finance** workflows, reducing record-processing time by **2 hours** weekly.

TECHNICAL COMPETENCIES

- Languages:** C/C++, JavaScript, HTML, CSS, Python, Java
- Databases:** SQL, PostgreSQL, MongoDB, Oracle
- Frameworks & Tools:** Spring Boot, Spring MVC, Thymeleaf, React, Redux, Node.js, Express.js
- Other Skills:** Object-oriented programming, Data Structures & Algorithms, REST API development
- Certifications:** HackerRank Certified Software Engineer, Microsoft Certified Power BI analyst associate.

PROJECTS

Real Time Object Detection | TensorFlow, Deep Learning, Python

[Project Link](#)

- Achieved an object detection accuracy of **over 85%** on the COCO dataset while processing video frames at a speed of **30 frames per second** using TensorFlow's optimized models.
- Successfully deployed the model on a cloud platform, enabling real-time detection for up to **10 concurrent video streams**, with a processing latency of less than **100 milliseconds** per frame.

FoodFrenzy | Spring Boot, Java, Spring Data JPA, JavaScript, MySQL

[Project Link](#)

- Developed FoodFrenzy, a full-stack application using Spring Boot, Thymeleaf, and MySQL with **secure authentication** and **role-based access control**.
- Built modules for customer, inventory, and order management with full CRUD functionality and database integration.

Sahand Estate | React, Redux, Node.js, Express and MongoDB

[Project Link](#)

- Developed a full-stack real estate application using the **MERN** technology suite that enhanced property listing management; reduced update time on new rentals by an average of two hours each day.
- Engineered a comprehensive **CRUD** functionality for property listings, enabling seamless updates, image uploads, and effective management through user profiles.

CompetitiveCodingContestReminder | JavaScript

[Project Link](#)

- Developed a Chrome extension using JavaScript and Chrome APIs to aggregate and display active and upcoming coding contests from multiple platforms
- Integrated **RESTful APIs** to collect contest data and implemented search and real-time notification features, improving event discoverability and timely alerts.