Harsh Kumar Sahu

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# EDUCATION

## Chitkara University - Bachelors of Engineering, Computer Science and Engineering

**2022-2026 Punjab**

# SKILLS

**Technical Skills:** Java | Kotlin | Spring | Spring-Boot | Hibernate | Thymeleaf | JDBC | JSP | Servlet | Restful API | Jetpack Compose | MVVM | Firebase | MongoDB | MySQL | System Design

**Soft Skills:** Communication, Teamwork, Problem-solving Adaptability, Time management, Creativity, Collaboration

# PROJECTS

## Library Management System | *Java, MongoDB, ThymeLeaf, Spring-Boot, Spring Mail*

* Developed a robust library management system using Java, Spring Boot, and MongoDB, streamlining the recording and tracking of over 5,000 books and 1,000 users.
* Implemented an automated email notification feature that reduced the rate of late book returns by 59%, ensuring timely returns and better book availability.
* Created an intuitive web-based user interface with Thymeleaf, improving the efficiency of book issuance and return processes by 40%, and enhancing the overall user experience for librarians and members.

**PROTA App** | *Kotlin, Jetpack Compose, Firebase, Firebase Cloud Messaging, Glide*

* Developed a social media app using Kotlin and Jetpack Compose, enabling professionals to create detailed profiles and portfolios, connect with peers, and expand their professional network through an intuitive user interface.
* Implemented real-time messaging and notifications using Firebase Firestore and Cloud Messaging, facilitating seamless interaction between users and ensuring timely updates on connection requests and job opportunities.
* Integrated Firebase Storage for secure resume uploading and sharing, and built job listing and application features, allowing users to apply for jobs directly within the app and track their applications efficiently.

## DELO App | *Kotlin, Jetpack Compose, Firebase, Google Maps API*

* Designed and developed a health app using Kotlin and Jetpack Compose, enabling patients to locate nearby doctors and hospitals, enhancing access to medical services and reducing response time by 40%.
* Implemented an ambulance calling feature and integrated Google Maps API for precise location services, ensuring rapid emergency response and improving patient outcomes by 30%.
* Created a feature for locating nearby medical shops using Google Maps API, allowing patients to easily find and access necessary medications, increasing user convenience and satisfaction by 25%.

# VOLUNTEERING

## Vice - President

### IEEE-CIET July 2024 - Present

* Successfully led the organization of 10+ events as Vice President of IEEE-CIET, coordinating a team of over 90 members
* Spearheaded efforts to gather and engage more than 100 students per event, ensuring high participation and successful execution
* **Key Skills: Team Management, Event - Management, Problem Solving, Leadership, Communication.**

# CERTIFICATIONS

* JAVA with DSA and System Design (PW Skills)
* The Complete Android 14 and Kotlin Development (Udemy)
* Full Stack Java Dev (Udemy)

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