



# SOMVEER SINGH

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[github.com/somveer-23](https://github.com/somveer-23) • Portfolio: [singh-somveer.netlify.app](https://singh-somveer.netlify.app)

## ABOUT ME

Self-driven Computer Science Engineering student with strong skills in Mobile App Development, Backend Development with Spring Boot, API integration, and full mobile app development life cycle. Experienced in building real-world Mobile applications using Java, Kotlin, Firebase, SQL, and MVVM architecture. Passionate about scalable systems, Software Developer, and problem-solving using DSA.

## EDUCATION

<b>B.Tech – Computer Science and Engineering</b>	<b>2023 – Present</b>
R.V Institute of Technology, Bijnor Affiliated to Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow	Avg: <b>7.5 CGPA (till now)</b>
<b>Intermediate (Class XII) – PCM</b>	<b>2023</b>
UP Board, Uttar Pradesh	<b>81.8%</b>
<b>High School (Class X)</b>	<b>2021</b>
UP Board, Uttar Pradesh	<b>84.8%</b>

## TECHNICAL SKILLS

- **Programming Languages:** Java, Kotlin, Dart, C, Python
- **Backend Development:** Spring Boot, REST APIs, MVC, Microservices (Basics)
- **Core CS:** Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks, OOP, Basic System Design
- **Frameworks & Tools:** Flutter, Git, GitHub, MVVM, Jetpack (ViewModel, LiveData, Navigation), CI/CD (GitHub Actions)
- **Databases:** MySQL, SQLite, Firebase Firestore, MongoDB
- **Android Development:** UI/UX, Activities, Fragments, App Lifecycle, Clean Architecture, API Integration, Firebase

## SOFT SKILLS

- **Teamwork & Collaboration**
- **Leadership & Responsibility**
- **Problem-Solving & Critical Thinking**
- **Effective Communication**
- **Adaptability & Quick Learning**
- **Spoken Languages:** English, Hindi

## INTERNSHIP EXPERIENCE

<b>Android App Developer Intern</b>	<i>May 2025 – June 2025</i>
CSIR–Central Road Research Institute (CRRI), New Delhi <ul style="list-style-type: none"><li>• Developed a Road Defect Reporting App using Java, XML, and MVVM architecture.</li><li>• Implemented Firebase Firestore, secure data encryption, and image upload using ImgBB API.</li><li>• Built admin dashboard for analytics and moderation.</li><li>• Followed modular, scalable structure with CI/CD using GitHub Actions.</li></ul>	
<b>Front-end Web Developer Intern</b>	<i>Aug 2024 – Sep 2024</i>
CodSoft – Remote <ul style="list-style-type: none"><li>• Built a responsive e-commerce website using HTML, CSS, JS.</li><li>• Implemented user interface components and mobile-friendly layouts.</li></ul>	

## PROJECTS

- Defecto– Road Defect Reporting App (CRRI)**
- Built Android app for reporting cracks, potholes with map integration.
  - Used MVVM + Firebase + secure image storage with ImgBB API.
- CCMS-ReportIt - Complaint Management App**
- Added secure login, complaint categorization, and Firebase backend.
  - Real-time complaint tracking for student–college communication.

### **AgroFiesta, An Agriculture App with 6+ AI features**

- Integrated Python ML model for Leaf image disease detection.
- Multilingual App with multiple functionalities on a single platform.

### **SFMS- Offline P2P communication App E2EE for Army Soldiers**

- End-to-end Encrypted offline communication App with voice walkie talkie and chat system.
- Scalable, Secure and Fast communication with up to 250m range.

## **CERTIFICATIONS AND ACHIEVEMENTS**

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- NPTEL – Java Programming, C Programming , Introduction to Machine Learning.
- Android App Development Certificate .
- CSIR-CRRI Internship Certificate .
- First prize in a project event in college.
- National Level Hackathon Appreciation First prize.

## **EXTRACURRICULAR ACTIVITIES**

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- Event Coordinator – Technocrats Club (2025 – Present)
- Volunteer – Literacy Club (2024 – Present)