



SOMVEER SINGH

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

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

Android App Developer Intern	<i>May 2025 – June 2025</i>
CSIR-Central Road Research Institute (CRRI), New Delhi	
• Developed a Road Defect Reporting App using Java, XML, and MVVM architecture.	
• Implemented Firebase Firestore, secure data encryption, and image upload using ImgBB API.	
• Built admin dashboard for analytics and moderation.	
• Followed modular, scalable structure with CI/CD using GitHub Actions.	
Front-end Web Developer Intern	<i>Aug 2024 – Sep 2024</i>
CodSoft – Remote	
• Built a responsive e-commerce website using HTML, CSS, JS.	
• Implemented user interface components and mobile-friendly layouts.	

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

- 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

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