

PROFESSIONAL SUMMARY

Software Engineer specializing in Android development, embedded systems, and real-time software design. Proven track record in firmware development, mobile technologies, and API integration with a focus on innovation in multimedia and wireless communications. Skilled in C++, Kotlin, C, and platform-level development for Android systems.

PROFESSIONAL EXPERIENCE

Project Intern | Indian Space Research Organization (ISRO) ([Certificate](#))

July 24 - August 24, Thiruvananthapuram

- Engineered real-time firmware for a multi-channel Sun Photometer using Embedded C, enhancing data acquisition speed and accuracy to capture solar radiation at four distinct wavelengths simultaneously.
- Optimized the real-time measurement of solar radiation, reducing processing time and increasing data reliability by 25%.
- Demonstrated strong understanding of sensor data processing and cross-functional collaboration for atmospheric research instruments.

Intern | Approads Technologies ([Certificate](#))

September 23 - October 23, Remote

- Engineered a Full Stack Android app with optimized performance, reducing memory usage and crashes by 25%, while integrating Firebase APIs to achieve faster data synchronization and a 1% increase in active users.

Team Lead | Smart India Hackathon, GOI ([Certificate](#))

October 23 - December 23

- Spearheaded a six-member team to develop an innovative CAT project, achieving recognition as one of the **Top 5** teams out of 157 at the Smart India Hackathon, leading to participation in the Grand Finale.

Intern | ASF Insignia ([Certificate](#))

May 24 - June 24, Gurugram

- Enhanced system reliability by implementing advanced fault diagnosis techniques and provided technical support in maintenance, monitoring, and troubleshooting of critical systems at ASF Insignia, reducing downtime by 20% while collaborating with interdisciplinary teams to apply electronics engineering principles.

Team Lead | Build For Bharat, ONDC

January 2024 - March 2024, Remote

- Architected and implemented a database management solution in a form of Android app that streamlined data processing and reduced latency by 30% for optimizing database management systems for both merchants and customers, demonstrating expertise in scalable software design and performance optimization.

TECHNICAL PROJECTS

VāsAlaya ([APK](#))

February 24 - April 24

Kotlin, Realtime Database, Firestore, Firebase Auth, Android Studio

- Constructed a real-time, scalable room rental Android application that increased property listing efficiency by a significant amount and reduced user search time by 35%, Integrated real-time synchronization features that improved data accuracy by 95% and reduced property booking conflicts by 80%.
- The App integrates advanced features to streamline the process of listing, searching, and renting properties, ensuring a seamless and efficient user experience.

NEWS Mania ([APK](#))

August 23 - September 23

Kotlin, Recycler View, News API, Retrofit

- Crafted a high-performance real-time news delivery Android application that achieved a 25% reduction in loading time.
- Revamped data retrieval and implemented a responsive UI for seamless user experience.
- Showcased expertise in Android multimedia technologies and efficient API integration.
- Designed a responsive UI that boosted user satisfaction scores and increased daily active users.

ENGINEERING SKILLS

Technical Skills: C++, Kotlin, Android Development, C#, Firebase, Git, Retrofit, Flutter, Rest API, Embedded C.

EDUCATION

Bachelor of Technology in Electronics

Harcourt Butler Technical University • Kanpur, Uttar Pradesh • 2025

CERTIFICATIONS

Goldman Sachs Software Engineering Job Simulation ([Certificate](#))

Android Development ([Certificate](#))

Data Structure and Algorithm in C++ ([Certificate](#))

POSITION OF RESPONSIBILITY

Google DSC Leadership

- Steered the Android development domain, resulting in a 50% increase in student participation in mobile app development projects.
- Orchestrated several successful hackathons, with an average participant satisfaction rate of 75% and an increase in project completions compared to previous years.
- Mentored an open-source initiative that led to an increase in student contributions to GitHub repositories and a 60% rise in collaborative coding projects.

Publicity Head, Association of Electronics Engineers (AETE)

- Pioneered promotional campaigns and community engagement initiatives to enhance the organization's visibility.
- Executed community engagement initiatives that amplified the organization's visibility.