

Animesh Pandey

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Varanasi,Uttar Pradesh-834002,India

EDUCATION

- B.Tech, Computer Science and Engineering, Vellore Institute of Technology, Vellore, Tamil Nadu | CGPA 8.07
- Secondary and Matriculation, Delhi Public School - Ranchi, Jharkhand | Score 95%

SKILLS

- **Programming Languages:** Kotlin, Java SE, Python,C/C++,Embedded C, R, JavaScript(basics)
- **Android specific skills:** Android Core,Lifecycles,Clean Architecture(MVVM and MVI patterns), Asynchronous Programming(Coroutines), Dependency Injection(Dagger2/Hilt), Jetpack Compose,State management, XML, JUnit and Espresso(testing), Figma and Material3(UI designing), KMP+KTOR(learning),SDLC's(Agile/waterfall)
- **Database Systems:** RoomDB (SQLlite), MySQL, Google Firestore+Realtime,MongoDB
- **Core:** Data Structures and Algos ,Object Oriented Programming ,Operating Systems, DBMS,Computer Networks
- **Tools:** Android Studio,IntelliJ,VSCode,MS Office,Figma,FlexDashboard,Arduino IDE2,Rstudio,MATLAB(ThingSpeak IOT)
- **Cloud Technologies/version control:** AWS(Certified),Git,Google Firebase,
- **Soft skills:** Inherently articulate, stimulates teamwork and communication,versatile,diligent,dependable

PROJECTS (MORE PROJECTS AVAILABLE ON GITHUB)

• AgriSecure- Smart contract insurance

Final year capstone project July 2024



Tools: Kotlin,C,Jetpack Compose,Google Firebase,MATLAB,Truffle(Solidity),Ganache,BLE 5.4

- Built using Kotlin and Jetpack Compose,Dual repositories(Bluetooth LE and OpenWheatherMap API(Retrofit) for crop health monitoring and settling insurance claims.
- Uses Hilt for DI,follows MVVM Clean architecture,Firebase for authentication and registration, Material-3 UI
- Truffle/Solidity to design and test smart contracts, Ganache to host private immutable blockchain
- Interfaced and Optimized an ESP-32 Microcontroller to read 7 unique parameters over 4 sensors, brought down RAM usage from almost 800KB to 150KB (80 percent reduction)

• Wishcraft

August 2024-Ongoing



Tools: Kotlin,Jetpack Compose,Google Gemini,Firebase firestore and realtime,RoomDB,Kotlin Multi Platform(todo)

- Platform to post,see and apply to project ideas and collaborate on common interests
- Authentication and projects managed using low latency Firebase Realtime DB,follows MVVM Pattern, real-time caching and paging
- Realtimelow latency chat rooms for collaborators,equipped with Google's latest Gemini Pro for additional assistance.

CERTIFICATIONS

• AWS Certified Cloud Practitioner

July 2023

• Android 14 and Kotlin Development Masterclass (Udemy-Denis Panjuta)

Feb 2024

• Android Development Fundamentals in Java(Simplilearn)

Aug 2023

• Android Application Development with Kotlin (Smart Internz in collaboration with Google)

March 2023

INTERNSHIPS

• SAMSUNG Research and Development, Bangalore [🌐]

Dec 2022-Aug 2023

Remote

Research Intern

- Chosen for the Samsung Prism program from a pool of 1200 applicants, alongside 24 others
- Target-Assessing log volume impact from an industrial codebase and assigning a log score for the same using text parsing and/or using NLP, codebase used- chatGPT 3.0
- Assigned to a team of 4 and obtained certificate of excellence for the work ([Link](#))

• Steel Authority of India (Ministry of Steel,GOI) [🌐]

June 2023-August 2023

Onsite

Machine Learning Intern

- Assigned to the Smart Systems Lab, Research and Development Centre for iron and steel (RDCIS),Ranchi,Jharkhand
- Assigned machine learning project 'APRIC' [Github Link](#)
- Exposure to LLM's and ChatBots

• Airports Authority of India AAI (Ministry of Civil Aviation,GOI) [🌐]

March 2024-May 2024

Onsite

CNS Intern

- Assigned to the CNS Department(Communication,Navigation,Surveillance)
- Exposure to the local network models of a modern airport,Non project internship