

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 (SQLite), 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 OpenWeatherMap 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
 - Realtime low 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
Research Intern Remote
 - 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
Machine Learning Intern Onsite
 - 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
CNS Intern Onsite
 - Assigned to the CNS Department(Communication, Navigation, Surveillance)
 - Exposure to the local network models of a modern airport, Non project internship