Arslan Ahmed Naseem

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Profile

Mobile developer with real client delivery experience, paid projects on Fiverr and AgriGuard, an AI-powered crop disease detection system built for Ag Leader after collecting requirements directly from their team. Skilled across Android, React Native, Node.js, and ML, picking up new technologies as the problem demands.

Skills

Languages: JavaScript, TypeScript, Python, Kotlin, C#, C++

Mobile: React Native, Expo, Android SDK

Frontend: React, Tailwind CSS

Backend: Node.js, Express.js, Flask

Databases: MongoDB, Firebase (Auth, Firestore, Realtime DB), MySQL, MS SQL Server

AI/ML: TensorFlow, Keras, Pillow, Scikit-learn, Pandas, NumPy

Tools: Git, GitHub, Postman, Linux, VS Code, Android Studio, Visual Studio, Streamlit

Experience

Freelance Mobile & Software Developer

Fiverr & Independent Clients | Local & Remote Jan 2024 – Present

- Served clients across Saudi Arabia, Malaysia, India, and the United States, maintaining a 5.0 rating, consistently praised for clean code and fast turnaround.
- Collaborated with an independent developer on a mobile app, contributing to API integration and backend troubleshooting.
- Built several websites for clients, managing revision cycles and delivering technical documentation post-launch.
- Delivered solutions across C#, Python, and web development, C++, same problem-solving approach I apply to mobile development with Kotlin and React Native.

Projects

AgriGuard: AI-Powered Crop Disease Detection & Smart Water Management AgriGuard

Built for Ag Leader, an agriculture industry, after collecting requirements directly from the field, every feature maps to a real farm problem.

- Trained a MobileNetV2 transfer learning model across 39 crop disease classes with an EfficientNetB0 plant gate that rejects non-crop images before inference, 95% accuracy, disease identified in seconds instead of the days a field expert visit takes.
- Built a Node.js/Express REST API with JWT auth, scan history, and pesticide database so the app doesn't just flag the problem, it tells the farmer what to spray and when.
- Wired an ESP32-CAM for automated image capture and a relay module for water pump control, both manageable remotely through the mobile app, with irrigation handled from the phone; no on-site intervention needed.
- Tools: React Native, Expo, Python, Flask, Keras, TensorFlow, MobileNetV2, EfficientNetB0, Node.js/Express, MongoDB, ESP32-CAM

SpendWise: Expense & Income Management App SpendWise

- Built category-based bar chart analytics so users see where money actually goes, not a raw list of transactions to scroll through.

- Removing a wallet deletes all linked transactions automatically, a data integrity problem most expense apps just ignore.
- Shared component architecture keeps iOS and Android behavior identical without platform-specific patches scattered through the codebase.
- Tools: React Native, TypeScript, Firebase, Expo, Context API

ReelTime: Movie Ticket Booking App ReelTime

- Seat selection syncs over Firebase in real time, if two users pick the same seat, the conflict is caught immediately, not at checkout.
- Bookings generate a QR ticket instantly via ZXing, no physical ticket, no friction at venue entry.
- Tools: Kotlin, Android SDK, Firebase Authentication & Realtime DB, ZXing, Material Design

Kaffeine: Coffee Shop Ordering App Kaffeine

- Replaced counter ordering with a digital menu and in-app order flow built for small businesses, no technical team needed to run it.
- Clean architecture with UI, logic, and data layers fully separated, adding a feature doesn't mean touching everything else.
- Tools: Kotlin, Android SDK, Firebase Authentication, Cloud Firestore, RecyclerView, Material Design

Movies Recommending System MRS

- Content-based recommendation engine using CountVectorizer and cosine similarity, factors in cast and keywords, not just genre, for more relevant suggestions.
- Entire system runs as a single Python file deployed on Streamlit Cloud, no backend or infrastructure needed.
- Tools: Python, Scikit-learn, Pandas, NumPy, Streamlit

Employee Management System EMS

- Runtime language switching across English, French, Spanish, and Urdu, non-English staff can use the system without a UI rebuild.
- All database operations live in a dedicated DataAccessLibrary, completely separate from the UI layer.
- Tools: C#, Windows Forms, MS SQL Server, ADO.NET, .NET Framework

Education

BS **Government College University Faisalabad**, Software Engineering — Nov 2022 – Jun 2026

- **Coursework:** Object Oriented Programming, Data Structures & Algorithms, Artificial Intelligence, Natural Language Processing, Computer Networks, Cloud Computing
- Elected Class Representative for Basic Mathematics, coordinating between students and faculty across morning and evening sections for two semesters

Certifications

React Native Specialization | *Meta – Coursera*

Programming Fundamentals in Kotlin | *Meta – Coursera*

Introduction to Mobile App Development | *IBM – Coursera*