

# Nouman Mahmood

## Android Engineer (Java/Kotlin)

✉ noumanmehmood25@gmail.com ☎ +92 3008881080 📍 Lahore Pakistan 🌐 Nouman Mehmood 🔗 Portfolio

### PROFILE

An Android Engineer with a solid 1.5 years of professional experience, possessing exceptional problem-solving skills and demonstrating leadership abilities in team settings. Proficient in fostering collaboration and consistently delivering flawless code even when faced with demanding deadlines. A team player committed to transforming intricate problems into elegant and effective solutions.

### PROFESSIONAL EXPERIENCE

#### Android Engineer, *Taps N Clicks*

07/2023 – present

- Create high-quality Android apps that work well, are safe, and give users a great experience.
- Work with cross-functional teams to design apps that can grow and stay easy to manage, following standard practices.
- Lead the development of features for apps, making sure they work smoothly with the backend systems.
- Make sure the code is well-written and tested to keep it strong and reliable.
- Improve app performance by updating and optimizing software.
- Implement and maintain cloud functions to enhance app functionalities and integrate with backend services seamlessly.
- Keep our in-house software up to date and fix any problems quickly.

My main role is to utilize my experience in Kotlin and Jetpack Compose to update our company's products. I organize the code using MVVM architecture, create tests, secure the code with ProGuard, and set up automatic testing and deployment

#### Android Engineer, *Programmer Force*

11/2022 – 07/2023

##### Key Contributions at Programmer Force:

- Played a pivotal role in developing a cutting-edge Multi-Module Android application utilizing MVVM architecture with Kotlin.
- Led the implementation of crucial features for a KYC/AML app, integrating Google ML Kit for precise face detection, significantly improving the KYC process.
- Responsibilities included refining product flows, addressing user feedback, and resolving complex bugs to enhance overall app performance and reliability.

##### Technical Expertise:

- Leveraged expertise in Kotlin and MVVM architecture to streamline the KYC process, enhancing efficiency and user-friendliness.
- Utilized strategic use of dependencies and libraries to optimize app functionalities, delivering a polished and intuitive user experience.

As a key member at Programmer Force, I led the development of a Multi-Module Android app with MVVM architecture in Kotlin, specializing in KYC/AML features with Google ML Kit integration for face detection. I optimized app flows and performance, demonstrating expertise in app optimization and problem-solving.

## PROJECTS

### ML Face Detection, *Android Java*

Improved an existing project by integrating the Google ML Kit library to enhance face detection capabilities, effectively resolving issues in identifying facial features. Implemented advanced mathematical geometric calculations to accurately detect and mark facial landmarks upon user image capture. Executed project requirements successfully, achieving enhanced functionality and accuracy in face detection processes.

### BLE APP, *Android Java*

Developed a BLE-enabled application for connecting MI band devices, leveraging Bluetooth Adapter to establish seamless communication between the app and devices. Implemented data retrieval from MI bands and displayed real-time values within the app interface. Incorporated charting functionalities to visualize data, presenting insights through dynamic chart representations for enhanced user experience and data analysis.

### Stipe Payment Method, *Android Kotlin*

Contributed to a payment app integrating the Stripe payment method by utilizing the Stripe library and UI components for seamless payment transactions. Implemented backend functionalities using cloud functions to create Stripe customers and added event handlers to manage various payment events such as successful transactions, pending payments, processing, and cancellations. Updated database nodes accordingly to ensure a smooth payment flow for customers, enhancing user experience and transaction reliability.

## EDUCATION

**Bachelor of Science in Software Engineering,** 2018 – 2022 | Lahore, Pakistan  
*University of Central Punjab*

**Intermediate,** *Punjab Group of Colleges (PGC) Lahore Board* 2015 – 2017 | Lahore, Pakistan

**Matriculation,** *Pakistan Railways Boys High School Lahore Board* 2016 | Lahore, Pakistan

## SKILLS

### Languages

Kotlin | Java | JavaScript

### Source Control System

Github | Gitlab | GitDesktop | Netlify

### Database

Firebase | SQL Lite | AWS

### Technical Specializations

Push Notification Systems | Cloud Messaging  
Integration | Cloud | Functions Development |  
Cloud Storage | Authentication

### Architecture

MVC | MVP | MVVM

### AI Tool

Chat-GPT | Blackbox AI | Gemini

### Libraries

Stripe | Google ML Kit | Jetpack Compose |  
Jetpack Navigation | Android Support Library |  
Material Design

## INTERESTS

Leadership | Learning new technologies | Gaming

## LANGUAGES

English

Nouman Mahmood

Urdu

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