

# Muhammad Ahmed Silat

Software Engineer

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## Summary

Software Engineer with hands-on experience in building Android and Web applications using Kotlin, JavaScript, C#, and Python.

## Experience

**Bioniks** Jan 2026

Software Developer

As a Software Developer at Bioniks—a social enterprise focused on affordable, custom prosthetic arms—I report directly to the CTO and am leading the development of a full Enterprise Resource Planning (ERP) system. This project aims to digitize the customer journey, from inquiries and funding assessments to production and after-sales support.

**Smartronix** Oct 2022 – Aug 2023

Software Developer

- Developed RESTful APIs using **JavaScript** and **C#**, documented and tested endpoints with Postman.
- Built a custom drag-and-drop interface using JS libraries, improving UX for internal dashboards.
- Delivered two production-grade Android apps using **Xamarin Forms** ( and Sindh Police Investigation App), connected with **ASP.Net** backend and web admin portal.

## Education

**Habib University** Bachelors of Science in Computer Science (BSCS)

Aug 2023 – Jun 2027

## Personal Projects

### Accounting Software for Financial Transaction Management

Built a desktop app for tracking financial transactions with a clean PyQt6 UI and MS SQL Server backend. Included features like income/expense tracking, balance sheets, and category-based reports.

<https://github.com/ahmedsilat44/Ledger>

### Quanim

Django web app for interactive quantum computing education

<https://github.com/ahmedsilat44/Quanim>

### Basketball Shot Tracker App

Created a real-time shot tracking app using YOLOv8 and OpenCV to detect players, ball, and hoop. Trained custom models to enhance detection accuracy and identify successful shots.

<https://github.com/ahmedsilat44/Swish-Vision>

## Languages

### English

Professional

### Urdu

Native