SK Mamun Islam

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Skills

Languages: Kotlin, Java, C, C++, Python, SQL, JavaScript
Android: Android SDK, Jetpack Compose, XML Layouts, MVVM, MVI, Clean Architecture, Firebase, Firestore, NFC
Backend & Web: Spring Boot, REST APIs, JDBC, JSP, Flask, React, React Native, Expo, HTML, CSS
AI & Data: RAG, Gemini API, Groq (LLaMA), TensorFlow, PyTorch, Scikit-learn, Pandas
Databases & Tools: MySQL, PostgreSQL, MongoDB, Supabase, Git, Docker, Google Cloud Platform, Android Studio
CS Fundamentals: Data Structures and Algorithms, OOP, Operating Systems, Computer Networks, DBMS

Experience

MeetMux | *Android Developer* Jun 2026 – Present

- Developed native Android applications with **Kotlin** and **Android SDK**, delivering **8+** production features that improved core workflows for **500+** active users.
- Integrated **RESTful APIs** and built responsive UI components, eliminating repetitive manual data handling and cutting processing effort by **30%** across **6** workflows.
- Diagnosed and resolved **40+** application defects while profiling performance with the team, raising feature stability by **25%** across tested releases.
- Implemented **3** architecture patterns (**MVVM**, **MVI**, **Clean Architecture**) across **2** UI toolkits (**XML**, **Jetpack Compose**), keeping Kotlin and Java modules maintainable.

Transorg | *Data Analyst Intern* Jan 2026 – Jun 2026

- Transformed structured datasets using **Python**, **Pandas**, and **SQL**, processing **10K+** records across **5** business datasets to surface actionable insights for stakeholders.
- Streamlined **data cleaning**, preprocessing, and exploratory analysis, reducing data inconsistencies by **35%** across **8** datasets and improving downstream report accuracy.
- Automated **reports and dashboards** using Python and SQL, accelerating recurring business analysis by **30%** for **4** stakeholder teams.
- Spearheaded delivery of **12** recurring reports and visualizations, replacing manual spreadsheet work and saving **12** hours per week for the analytics team.

Projects

Wandr | *React Native, Expo, Supabase, Gemini, Groq* | Live Demo Feb 2026

- Engineered an **AI-powered travel planner** in **React Native** and **Expo**, shipping **1** shared codebase to **2** platforms (Android, iOS) and generating day-wise plans across **5+** trip parameters.
- Integrated **Gemini** for itinerary generation, **Groq LLaMA** for chat, and **Supabase** for secure data, powering **3** AI workflows with responses in under **3** seconds.
- Architected context-aware responses using **RAG** and secure **Edge Functions**, lifting answer relevance by **30%** across **20** test prompts.

InTouch App | *Kotlin, Android, Firebase, Firestore, NFC* | Live Demo Jan 2025

- Developed a **real-time Android** communication app with **Kotlin** and **Firebase**, implementing **6+** core workflows with cross-device sync in under **1** second.
- Configured **Firebase Authentication** and **Firestore**, integrating **2** Firebase services to secure user management for **100+** test accounts.
- Pioneered **NFC-based** digital card sharing, transferring professional profiles in under **5** seconds across **50+** test transfers.

Achievements

- Secured a **INR 1,00,000** cash prize for an outstanding capstone engineering project, ranking first among **50+** competing teams.
- Executed a **national-level hackathon**, coordinating over **100** participants through **3** days of technical activities and submissions, which directly led to **15** new prototype developments.
- Published **1** research paper, "Real-Time Embedded System," analyzing **3** embedded design techniques to advance work on real-time systems.

Education

Lovely Professional University Phagwara, Punjab
*B.Tech in Computer Science, Honors in Data Science – CGPA: **8.0**/10* *Aug 2022 – Jun 2026*

Chowkhali High School Chandipur, India
*SSC – **72%** | HSC – **84%*** *Jan 2020 – Apr 2022*