

# SOHANUR RAHMAN

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## PROFESSIONAL EXPERIENCE

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Senior Software Engineer	TallyKhata	Sept 2024 – Present
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TallyKhata:	<a href="#">Play Store</a>
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- Contributed to core module development and bug fixes of a 5M+ download app with 300K+ monthly active users, that led to 70K+ monthly premium subscriptions using Kotlin, MVVM, MVI, Jetpack Compose, Coroutines, Flow, and related technologies.
- Built TallyKhata Gold premium subscription and auto-renew module, integrating TallyPay and other major MFS platforms (bKash, Nagad, Rocket, card payments).
- Implemented robust multi-device data synchronization using WorkManager and Room, ensuring consistency and reliability across devices.
- Developed a seamless Super QR Scan feature for hassle-free payments with any Bangla QR code.
- Developed dynamic theming for TallyKhata Gold, Standard and Trial user base.

Software Engineer	TechnoNext Limited (A concern of US Bangla)	Jan 2023 – Aug 2024
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Foodi:	<a href="#">Play Store</a>
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- Working as a team lead of Foodi customer application (over 1M downloaded) and spearheaded development of core modules from scratch to deployment in the Foodi customer app (Authentication, Location, Cart & Checkout, Order Tracking), ensuring high scalability and performance using MVVM, Kotlin, Jetpack Compose, DataStore, Remote config.
- Responsible for managing and performing system design and code reviews of a 5 people team to ensure SOLID practices, guarantee high quality code, clean and scalable system architect of the Foodi customer application
- Implemented real-time rider tracking with Google Maps, Geolocation, and Directions APIs, optimizing cost; automated CI/CD with GitHub Actions and Firebase App Distribution for streamlined deployments.

Software Engineer	NexKraft Limited	Nov 2020 – Dec 2022
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Ifleet:

- Optimized login flow by enabling parallel API calls and handling server responses effectively, reducing login time and preventing crashes.
- Delivered key features including offline caching, real-time vehicle tracking, notifications, and customizable search and filter using MVP, Java, Retrofit, and Room.

Microfinance:

- Developed a dynamic dashboard with periodic file updates using WorkManager and implemented secure file sharing with biometric authentication.

Myc2i:

- Developed key features for the Myc2i cross-platform app (Android/iOS), including dynamic user dashboard, Mentor-Protégé connections, and tutorial modules using React Native

## EDUCATION

### North South University

Jan 2015 - Dec 2019

BS in Computer Science and Engineering

Major: Computer Science and Engineering (CSE) | Trail: Software | CGPA: 3.07

## PROJECTS

### Flash:

- Developed a custom Android networking library in Kotlin, inspired by Retrofit and JavaScript fetch api, built on top of HttpURLConnection to support REST API operations such as GET, POST, PUT, and DELETE.
- Currently enhancing the library with LoggerInterceptor and NetworkInterceptor capabilities, with plans to publish it to the Central Maven Repository.
- **Technologies Used:** Kotlin, Java, HttpURLConnection, UrlConnection, Retrofit, Gradle, Maven

### ToffeeLite:

- Developed an Android OTT app in both Kotlin and Java with modern android architecture that presents list of movies that are fetched from the open movie db (omdb) API.
- Added an Exoplayer with a Bitmovin streaming url to enable streaming with caching the latest playback position which enabled users to watch videos from the last pause state.
- **Technologies Used:** Kotlin, Java, MVVM, Retrofit, OTT, Exoplayer, Bitmovin, Picasso, Open movie db API

### FAQ.AI:

- Developed an AI-powered FAQ system—similar to a lightweight notebook LLM—that allows users to query information from website content, documents, or PDFs. Leveraged LangChain for orchestration, BeautifulSoup for web scraping, ChromaDB for vector storage, and the Gemini embedding model for semantic understanding.
- **Technologies Used:** Python, Flask, LangChain, BeautifulSoup, ChromaDB, Gemini Embeddings, Gemini 2.5 flash lite, React, JavaScript

### ExpensePro:

- Built an AI-driven Compose Multiplatform application that enables users to manage daily expenses through voice commands, using Gemini 2.5 Flash Lite for natural language understanding and Speech Recognizer (Platform API) for voice input. Integrated Firebase Vertex AI for backend intelligence and Ktor for API communication.
- **Technologies Used:** Compose Multiplatform, Gemini 2.5 Flash Lite, Firebase Vertex AI, Speech Recognizer (Platform API), Ktor

## SKILLS

**Languages:** Kotlin, Java, JavaScript, Python, C, C++, XML, SQL, HTML, CSS

**Frameworks & Libraries:** Android Studio, XCode, React native, Kotlin multiplatform, React, Junit, Mockito, Espresso, Android, Jest, Firebase, Vertex AI, LangChain, Ollama