

# SHIHAB HOSSAIN

Chittagong, Bangladesh  
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## SUMMARY

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Full-stack software developer specializing in mobile and web apps using Flutter, Node.js, and React. Passionate about building scalable real-time systems with clean architecture and user-centric design.

## EDUCATION

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**Port City International University**

Jan 2019 – Dec 2022

Chittagong, Bangladesh

**Bachelor of Science in Computer Science** (GPA: 3.05/4.00)

**Programming Coursework:** Data Structures and Algorithms, Computational Theory, Computer Architecture

## EMPLOYMENT

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**Software Developer**

**Tech Hatch (Remote)**

Sep 2024 – Present

- Developed full-stack applications using Flutter (frontend) and Node.js (backend) for client projects including book pre-ordering system and handyman booking app.
- Built responsive mobile UIs and scalable REST APIs with optimized database interactions using Prisma ORM.
- Collaborated in agile development teams to deliver high-quality software solutions.

**Jr. Software Engineer**

**mPair Technologies, Chittagong**

Mar 2023 – Jun 2024

- Developed mobile applications using Flutter, Node.js, MySQL, and MongoDB for various client projects.
- Built comprehensive telemedicine platform featuring WebRTC-based video calling, appointment management, and doctor discovery functionality.
- Created Go Turf booking application and implemented ML-based face recognition attendance system, achieving 80% reduction in processing time.
- Contributed to school management system development with role-based access control and performance optimizations.

## SOFTWARE PROJECTS

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**WhatsApp Clone – Full-fledged Chat and Video Calling App** (github.com/Shihabagent47/chat\_app\_frontend)

- Developed comprehensive messaging platform with real-time chat, video calling, audio calling, and push notifications.
- Implemented WebRTC for peer-to-peer communication and real-time messaging capabilities.
- **Technologies:** Flutter, Nest.js, WebRTC, Socket.io, PostgreSQL

**News Lexica – Vocabulary Learning Platform** (Google Play Store)

- Full-stack vocabulary learning application with Flutter mobile app, React web portal, and comprehensive admin dashboard.
- Backend architecture built with Node.js, Express.js, MySQL, and Prisma ORM for quiz management and user analytics.
- **Technologies:** Flutter, React, Node.js, Express.js, MySQL, Prisma ORM

**Cut & Q – Barber Shop Booking System** (qncut-client.vercel.app)

- Comprehensive booking platform featuring Flutter mobile application and React web portal for barber shop management.
- Integrated geolocation-based shop discovery, real-time availability tracking, payment processing, and push notifications.
- **Technologies:** Flutter, React, Node.js, PostgreSQL, Firebase, Payment Gateway Integration

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, Dart, Kotlin, Swift, Python, SQL

**Frontend:** Flutter, React, SwiftUI, Jetpack Compose

**Backend:** Node.js, Express.js, Nest.js

**Databases:** PostgreSQL, MySQL, MongoDB, Firebase

**Tools:** Prisma ORM, WebRTC, TensorFlow Lite, Git, Docker