

# Azrul Amaline

Flutter Developer | Firebase | REST APIs

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## Professional Summary

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Flutter Developer and Computer Science and Engineering graduate with hands-on internship experience building cross-platform applications using Flutter and Dart. Experienced in REST API integration, Firebase services, responsive UI development, reusable components, and Git-based collaboration. Familiar with BLoC, Clean Architecture, local persistence, and backend development using Django and FastAPI, with a strong focus on maintainable and production-oriented software.

## Experience

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### Junior Software Developer Intern (Flutter)

November 2025 – February 2026

*MemoNEET*

*Remote / Bangladesh*

- Contributed to the MemoNEET Flutter application by developing reminder and task-management features using local notifications.
- Implemented scheduled reminders and notification workflows to help users track and complete assigned learning tasks.
- Worked on game-based learning activities, including MCQ-style task-solving interfaces and interactive quiz flows.
- Debugged Flutter features, improved application behavior, and collaborated with the development team using Git and GitHub.

## Selected Projects

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### Schedula – Academic Management & Scheduling App

[\[GitHub\]](#)

- Built a Flutter-based academic management application for schedules, assignments, announcements, notes, profiles, and class administration.
- Implemented Firebase-backed authentication, Firestore data management, storage, real-time chat, and AI-powered chat functionality.
- Added account recovery, profile management, classmate lists, permissions handling, and configurable application environments.
- *Tech Stack:* Flutter, Dart, Firebase Authentication, Firestore, Firebase Storage, AI Chatbot Integration.

### Med Reminder – Medicine Reminder & Health Utility App

[\[GitHub\]](#)

- Developed a Flutter application for managing medicines, dosage schedules, and reminder intervals.
- Implemented timezone-aware local notifications for scheduled medicine reminders with per-medicine enable/disable controls.
- Added Firebase Authentication, SharedPreferences-based local persistence, medicine search using the openFDA API, and a BMI calculator.
- *Tech Stack:* Flutter, Dart, Firebase Auth, SharedPreferences, Provider, RxDart, Flutter Local Notifications, REST API.

### Lecturer – AI-Powered Smart Study App

[\[GitHub\]](#)

- Developed a Flutter study application supporting Bangla and English lecture transcription, AI-generated summaries, quizzes, and revision tools.
- Integrated speech-to-text, handwritten-note OCR, Google Drive synchronization, and Google Sign-In workflows.
- Added quiz generation with MCQ, True/False, and short-answer formats alongside flashcard-based revision features.
- *Tech Stack:* Flutter, Dart, Firebase, Firestore, Google Speech-to-Text, Google ML Kit, Google Drive API.

### Hospital Management System

[\[GitHub\]](#)

- Developed a Flutter-based hospital management application covering patient, doctor, appointment, authentication, and profile-management workflows.
- Implemented role-oriented interfaces for managing appointments and accessing relevant patient and doctor information.
- Used Firebase Authentication and Cloud Firestore for identity management and application data storage.
- *Tech Stack:* Flutter, Dart, Firebase Authentication, Cloud Firestore.

## Technical Skills

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**Core:** Flutter, Dart, BLoC, REST APIs, Firebase, Clean Architecture

**Flutter Ecosystem:** Dio, Retrofit, Drift, SQLite, SharedPreferences

**Backend:** FastAPI, Django, PostgreSQL, MySQL

**Programming Languages:** Dart, Python, JavaScript, Java, C++, C, SQL

**Firebase:** Authentication, Cloud Firestore, Storage

**AI / ML Integration:** Gemini API, Google Speech-to-Text, Whisper, Google ML Kit, TensorFlow Lite

**Tools:** Git, GitHub, Postman, Android Studio, VS Code

## Education

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**Patuakhali Science and Technology University**

2020 – 2026

*B.Sc. (Engg.) in Computer Science and Engineering*

*Patuakhali, Bangladesh*

- Graduated: August 2026

**Maheshpur Govt. Degree College**

2020

*Higher Secondary Certificate (HSC), Science – GPA: 5.00/5.00*

*Jhenaidah, Bangladesh*

**Maheshpur Govt. Pilot High School**

2018

*Secondary School Certificate (SSC), Science – GPA: 5.00/5.00*

*Jhenaidah, Bangladesh*

## Achievements & Leadership

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- **Vice President, CSE Club, PSTU:** Lead technical activities, programming bootcamps, contests, and student mentoring initiatives as Vice President of CSE Club, PSTU.
- **Competitive Programming:** Solved 385+ algorithmic problems on Codeforces. Profile: [Azrul Amaline](#)
- **National Cyber Drill 2022:** Ranked 32nd nationally in the National Cyber Drill 2022.
- **Professional Training:** Completed Python Django training under Bangladesh Computer Council and networking coursework through Cisco Networking Academy.