MD. SAMIUR RAHMAN

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Computer Science graduate with hands-on experience in Full-Stack Web development and Android development. Proficient in Python, TypeScript and Kotlin, with a track record of building AI-integrated mobile applications and scalable digital platforms. Passionate about writing clean, efficient code and delivering intuitive, user-centric software solutions.

TOOLS & TECH

Languages: Python • TypeScript • Kotlin • C++ • Java
Databases: PostgreSQL • MySQL • SQLite
Tools: Git • GitHub • CI/CD (GitHub Actions) • Postman • Linux Server • Docker

PROJECTS

CourseDesk

View

FastAPI • NextJS • TypeScript • PostgreSQL • SQLAlchemy

- Developed a digital classroom platform to support course management, student engagement, and academics.
- Designed a centralized system for managing classes, learning materials, and student-related activities in one place.
- Improved communication and coordination between instructors and students by streamlining course updates and information sharing.
- Helped simplify day-to-day classroom operations, reducing administrative workload and improving efficiency.
- Created a structured learning environment that supports better organization, accessibility, and overall experience.

Document Scanner App

View

Kotlin • Google ML Kit • OCR

- Developed an Android application using Kotlin that lets users scan documents and perform OCR using on-device machine learning.
- Integrated Google ML Kit for realtime document detection and processing.
- Implemented realtime on-device OCR for faster response without internet dependency.
- Enabled copying of extracted text for quick reuse.
- Added realtime translation of scanned text via Google Translator.
- Implemented conversion of scanned documents into editable Word documents.

Calendar Duration

View

Kotlin • Android • Jetpack Compose

- Developed a Kotlin-based application focused on calculating and displaying time durations between calendar dates and events.
- Built a user-friendly date-selection workflow to compute day, month, and year spans accurately.
- Implemented reusable date arithmetic logic to improve reliability and reduce manual calculation errors.
- Designed a clean, minimal interface for quick and practical use in everyday scheduling and planning.

EDUCATIONAL QUALIFICATIONS

B.Sc. in Computer Science and Engineering

January 2026

Patuakhali Science and Technology University

- Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Management, Computer Networks, Software Engineering, Web Development.

CERTIFICATIONS

- Neural Networks and Deep Learning — Coursera
- Useable Security, University of Maryland — Coursera
- Certificate in National Skill Standard Basic Course — BTEB

EXTRA CURRICULAR ACTIVITIES

- Active Member of the **CSE Club, PSTU**, participating in technical seminars and coding workshops.
- Participant in the Intra-University Programming Contest, enhancing problem-solving skills.
- Volunteer for the Annual CSE Fest, assisting in organizing project showcases and technical events.