

Mehedi Hasan Rohan

Dhaka, Bangladesh

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Professional Profile

A highly motivated Computer Science undergraduate with a demonstrated passion for full-stack development, encompassing intuitive front-end design, robust back-end architecture, and engaging mobile applications. Possesses a strong command of object-oriented programming and software engineering principles, proven through hands-on projects utilizing PHP, MySQL, HTML, CSS, and modern app development frameworks. Combines technical acumen with a detail-oriented approach to problem-solving. Actively seeking an internship where I can apply and expand this diverse skill set on real-world challenges while contributing to a forward-thinking development team.

Education

- **Bachelor of Science** in Computer Science & Engineering | Expected Dec 2025
Daffodil International University | Dhaka, Bangladesh
- **Higher Secondary Certificate (HSC)** | Graduated 2022
Patuakhali Govt. College | Patuakhali, Bangladesh

Technical Skills

- **Languages:** PHP, Python, Java, JavaScript, C, Dart
- **Backend:** API Design, Backend Architecture
- **Databases:** MySQL, Database Design, Normalization, Query Optimization, Firebase
- **Web Development:** HTML5, CSS3
- **App Development:** Flutter (Intermediate), Android (Intermediate)
- **Developer Tools:** Git, GitHub, VS Code, Android Studio, Figma, Canva, AI Tools
- **Professional Skills:** Object-Oriented Programming (OOP), SDLC, Problem-Solving, Agile Methodologies, Proficient in Microsoft Suite (Word, Excel, PowerPoint)

Project Experience

Enterprise Resource Planning (ERP) System | [GitHub Link](#)

- Engineered a scalable, modular backend using **PHP** and **MySQL** to automate core

business processes, including comprehensive employee and customer management modules.

- Designed and implemented a normalized relational database schema, ensuring high data integrity and optimizing query performance for efficient data retrieval and reporting.
- Developed a responsive and intuitive front-end interface using **HTML** and **CSS**, focusing on a seamless user experience across devices.
- **Technologies:** *PHP, MySQL, HTML, CSS*

RedCellNet - Blood Sharing Android App (Conceptual) | [GitHub Link](#)

- Architected a robust system design for a mobile application aimed at connecting blood donors and recipients in real-time.
- Outlined a secure user authentication flow using **Firebase Authentication** and designed a real-time data synchronization system with **Firestore Database**.
- Mapped the core application logic, including user registration, advanced donor search with filters, and a comprehensive request management system.
- **Technologies:** *Android (Developed), Dart, Firebase*

ATM Simulation Project | [GitHub Link](#)

- Applied Object-Oriented Programming (OOP) principles in **Java** to develop a multithreaded command-line application simulating core banking functionalities.
- Implemented key features including secure user authentication, balance inquiries, cash withdrawals, and deposit processing with a focus on logical consistency and robust error handling.
- Demonstrated a strong understanding of core Java concepts and data structures within a practical, real-world application scenario.
- **Technologies:** *Java, OOP*

Leadership & Extracurricular Activities

Active Member, Computer and Programming Club (CPC), DIU

- Actively participated in team-based coding challenges, enhancing problem-solving and algorithmic thinking skills.
- Collaborated with peers on club-led projects, contributing to a culture of shared learning and innovation.

Member, Mobile Photography Club, DIU

- Engaged with a creative community, developing an eye for detail and composition.