

# Curriculum Vitae



## MOHTASIM UR RAHMAN

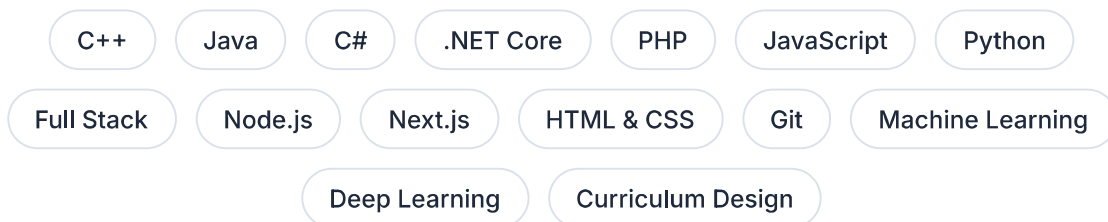
Software Engineer

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🏠 Uttara, Dhaka, Bangladesh

### Skills



### CAREER OBJECTIVE

A highly motivated and detail-oriented Computer Science 4th-year student seeking a Software Engineer position. Skilled in programming, problem-solving, and developing scalable software systems. Committed to continuous learning, engineering reliable solutions, and contributing to impactful, innovation-driven projects.

## PROJECTS

### Hospital Management System

HTML, CSS, PHP, JavaScript, MySQL — A complete role-based operational healthcare platform.

- Patient module: appointment booking, history view, doctor selection, and profile management.
- Doctors: manage appointments, update records, create prescriptions.
- Admin: complete system control, analytics, reporting, and staff management.

### Shop Management System

Java — Inventory, employee, and sales management tool.

- Desktop app automating inventory and employee operations.
- Built reporting module for automated sales & performance analytics.
- Designed modular architecture using OOP principles.

### Dream Air Line

C#, .NET Framework, SQL Server — Flight scheduling & ticketing system.

- Developed a complete airline operations tool with ticketing & scheduling.
- Implemented relational database structure ensuring booking integrity.
- Role-based access control for secure admin/travel modules.

### Floor Cleaning Robot

ESP32 • Arduino IDE • Motor Drivers • Sensors

- Designed an autonomous floor-cleaning robot using ESP32.
- Integrated L298N drivers for brush & wheel control.
- Obstacle detection using IR and ultrasonic sensors.

### IoT + ML Crop Recommendation

IoT Sensors • ML Models • Smart Agriculture

- Built ML model to predict suitable crops using environmental sensor data.
- Optimized features for improved model performance.
- Published research on AI-driven agricultural decision systems.

## ACADEMIC QUALIFICATIONS

DEGREE	INSTITUTION	YEAR	RESULT
BSc in Computer Science & Engineering	American International University-Bangladesh (AIUB)	2025	CGPA:3.37
Higher Secondary Certificate	Shahid Buddhijibi Govt. College, Rajshahi	2021	GPA: 5.00
Secondary School Certificate	Gotegari Shaheed Mamun Govt. High School & College	2019	GPA: 5.00

## LANGUAGES

English (Fluent), Bangla (Native), Urdu, Hindi

## INTERESTS

Problem Solving, AI in Education, Research, IoT & Embedded System, Travelling.

## ONLINE PROFILES

 GitHub: <https://github.com/mohtasim2003>

 LinkedIn: <https://www.linkedin.com/in/mohtasim-ur-rahman-6a1b41299/>

## REFERENCES

<b>Dr. Razuan Karim</b> Associate professor, Department of Computer Science, American International University-Bangladesh	Email: <a href="mailto:rkarim@aiub.edu">rkarim@aiub.edu</a>
<b>Tanvir Ahmed</b> Assistant Professor, Department of Computer Science, American International University-Bangladesh	Email: <a href="mailto:tanvir.ahmed@aiub.edu">tanvir.ahmed@aiub.edu</a>