

# Md. Julfikar Ali

Software Engineer Candidate

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## Profile

Final-semester B.Sc. student in **Information & Communication Technology** with strong foundations in **Data Structures & Algorithms, OOP, databases, and software engineering**. Currently serving as **Lead Web Developer** for the official ICT Department web platform at Islamic University. Experienced in backend APIs, database-driven systems, production deployment, and real-time applications. Ranked **7th in Bangladesh in IEEE Xtreme 17.0**. Expected graduation: **October 2026**.

## Technical Skills

|                      |                                                                   |
|----------------------|-------------------------------------------------------------------|
| <b>Programming</b>   | C++, C, Python, JavaScript, TypeScript                            |
| <b>Core CS</b>       | Data Structures & Algorithms, OOP, System Design, Problem Solving |
| <b>Web / Backend</b> | Django, DRF, FastAPI, REST APIs, WebSockets, React, Next.js       |
| <b>Databases</b>     | SQL, MySQL, PostgreSQL, MongoDB                                   |
| <b>Tools</b>         | Git, GitHub, Linux, Docker, CI/CD                                 |

## Professional Experience

- 2024–Present **Lead Web Developer**, *Department of ICT, Islamic University, Kushtia, Bangladesh*
- Lead development and maintenance of the official ICT Department web platform serving students, faculty, and staff.
  - Design backend APIs, database-driven services, CMS workflows, and academic and administrative portal features.
  - Developed features for authentication, notices, academic content, payments, and administrative controls.
  - Lead technical decisions involving architecture, database design, deployment, performance, and production security.
  - Tech:** Next.js, React, Django, MySQL, MongoDB [ictiu.ac.bd](http://ictiu.ac.bd)
- 2025–Present **Teaching & Laboratory Assistant**, *Central Laboratory, Islamic University, Kushtia, Bangladesh*
- Conduct programming and systems laboratory sessions and assist students with C, Python, Linux, debugging, and programming fundamentals.

## Education

- 2022–2026 **B.Sc. in Information & Communication Technology**, *Islamic University, Kushtia, Bangladesh*
- Final-semester examinations ongoing. **Expected Graduation: October 2026**.
- Relevant coursework: Data Structures, Algorithms, Databases, OOP, Operating Systems, Computer Networks, and Web Technology.

## Selected Projects

- Student Management System (Ongoing)** **Lead Backend Developer & System Architect** for an ongoing academic and administrative platform for the Department of Public Administration, Islamic University. Currently designing relational database schemas, secure REST APIs, authentication mechanisms, and role-based access control for students, faculty, and administrative users.
- Automated Bus Reporting System** Developed a real-time university bus monitoring prototype using REST APIs, WebSockets, number-plate processing, and a React dashboard. **Tech:** Django REST Framework, React, OpenCV, WebSockets.

## Achievements

- IEEE Xtreme 17.0 – Ranked 7th in Bangladesh** (Team: WrongCoders) • Finalist, **EWU National RoboFest 2024**
- Competitive programming on **Codeforces, LeetCode, and AtCoder**.

## Leadership

- Chair**, IEEE IU Computer Society Student ranch Executive Committee (2026–2027) • Coordinator, SAICT Programming Club (2024–June 2026)