

SHAJEDUL KABIR RAFI

+880 1834-861666 | shajidulkabir12345@gmail.com | linkedin.com/in/shajedul-kabir-rafi | github.com/Rafi12234 | Dhaka, Bangladesh

3rd-year Computer Science & Engineering undergraduate at AUST (CGPA 3.41) with hands-on expertise in full-stack web development, mobile engineering, and applied machine learning. Currently working across two software engineering roles while directing a university robotics club's development team. Hackathon Champion, multi-award winner, and sole developer of the AUST Robotics Club mobile app. Passionate about shipping production-grade systems that merge intelligent back-end architectures with clean, high-performance front-end experiences.

Experience

DataPulse Global | Junior Software Engineer On Site Jun 2026 – Present

- Contribute to the design, development, and testing of software features within the engineering team, applying full-stack and back-end skills in a production environment.
- Collaborate with cross-functional engineers to deliver clean, maintainable, and well-tested code following industry best practices and version-controlled workflows.

Boraq | Full Stack Developer Remote Jun 2026 – Present

- Develop and maintain full-stack features spanning front-end interfaces and back-end APIs, working across the codebase to deliver end-to-end functionality.
- Partner with the product and engineering team to translate requirements into scalable, well-structured implementations.

Education

Ahsanullah University of Science and Technology (AUST) | B.Sc. in Computer Science & Engineering Dhaka, BD 2023 – Present

- CGPA: 3.41 / 4.00 Relevant coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Computer Networks, Artificial Intelligence, Software Engineering.

Notre Dame College | Higher Secondary Certificate (HSC) Dhaka, BD 2020 – 2022

- Graduated with GPA 5.00 / 5.00 in the Science stream.

Udayan Uchha Madhyamik Bidyalaya | Secondary School Certificate (SSC) Dhaka, BD 2009 – 2020

- Graduated with GPA 5.00 / 5.00.

Technical Skills

Languages	C, C++, Java, Python, JavaScript, PHP
Frontend	React.js, Next.js, HTML5, CSS3, Tailwind CSS, Responsive Design
Backend	Laravel (PHP), Node.js, REST API Design, JWT Authentication
Mobile	Flutter, Dart — cross-platform iOS & Android development
ML / AI	Scikit-learn, XGBoost, Pandas, NumPy; foundational deep learning (CNNs, RNNs); OSM-based geospatial ML
DevOps & Tools	Docker, CI/CD Pipelines, Git, GitHub Actions
Databases	MySQL, Microsoft SQL Server
Design & Prototyping	Figma — wireframing, UI/UX prototyping, design systems
Soft Skills	Team Leadership, Project Coordination, Analytical Thinking, Adaptability, Critical Thinking

Projects

GoliTransit — Multimodal Urban Mobility Intelligence System | Python, ML, OSM, Geospatial APIs, React Apr 2026

- Designed and built a multimodal urban route-intelligence platform that integrates dynamic route planning, real-time traffic risk prediction, and anomaly-aware navigation to improve commuter safety and efficiency.
- Engineered an ML pipeline leveraging OpenStreetMap (OSM) geospatial data to model urban traffic patterns, train risk-prediction models, and surface contextually relevant alternate routes under adverse conditions.
- Implemented anomaly detection logic to flag irregular traffic events (accidents, road closures, congestion spikes) in real time, enabling the system to proactively reroute users before delays materialise.
- Led a cross-functional team to deliver the full system end-to-end, winning **1st place (Champion)** at the **AUST CSE Carnival 7.0 Hackathon** — the university's flagship competitive engineering event.

CareerPath — AI-Powered Cloud Career Development Platform | *React, Node.js, REST API, AI/ML, Cloud Services* 2025 – 2026

- Architected a cloud-based career development platform delivering personalised career dashboards, AI-driven job discovery, curated learning resources, and certification tracking under a single unified product experience.
- Integrated an AI-driven job recommendation engine that analyses users' skill profiles and career history to surface high-relevance job postings, reducing irrelevant discovery noise significantly.
- Designed and implemented a modular REST API back-end with JWT-based authentication, supporting scalable multi-user sessions and role-based access control for learners and administrators.
- Built a fully responsive React front-end with a clean, accessible UI to guide users through structured career pathways from skill assessment through to certification completion.

AUST Robotics Club — Official Mobile Application | *Flutter, Dart, REST API, Firebase* 2025 – 2026

- **Sole developer** of the official AUST Robotics Club mobile application, independently delivering full-cycle development — requirements analysis, UI/UX design in Figma, Flutter implementation, API integration, and app store deployment.
- Implemented cross-platform support (iOS & Android) from a single codebase using Flutter, reducing long-term maintenance overhead compared to native-only approaches.
- Integrated real-time event notifications, member management features, and club activity feeds, driving increased engagement among the club's active membership base.
- Recognised with the **Best Panel Member Award** by the AUST Robotics Club Web & App Development Team for outstanding technical contributions to this project.

AUST Robotics Club — Official Website | *React, Next.js, Tailwind CSS, Laravel, MySQL* 2025 – 2026

- Served as **top contributor** to the design and development of the official AUST Robotics Club website, collaborating with a multi-person team to deliver a fully responsive, production-ready web presence.
- Built and maintained reusable React component libraries and a consistent Tailwind CSS design system, accelerating feature delivery and ensuring visual consistency across all pages.
- Developed Laravel-based back-end APIs for dynamic content management, enabling club administrators to update events, news, and member data without developer intervention.

Leadership & Co-Curricular Activities

AUST Robotics Club | *Director, Web & App Development Team* Dhaka, BD Jul 2026 – Present

- Promoted to lead the Web & App Development Team, setting overall technical strategy and project roadmap for the club's mobile application, website, and internal tooling.
- Oversee team structure, resource allocation, and cross-project prioritisation, ensuring consistent delivery quality across all active initiatives.
- Mentor Assistant Directors and team leads, embedding the engineering standards and workflows established during prior tenure in the role.

AUST Robotics Club | *Assistant Director, Web & App Development Team* Dhaka, BD Jan 2026 – Jul 2026

- Directed the Web & App Development team's project roadmap, sprint planning, and technical execution, overseeing delivery of both the club's mobile application and official website.
- Established and enforced engineering best practices — Git branching strategy, code review standards, and CI/CD pipeline hygiene — improving team velocity and code quality.
- Mentored junior developers in Flutter, React, and Laravel, accelerating their onboarding and enabling independent contribution within weeks.

AUST Robotics Club | *Senior Sub-Executive* Dhaka, BD Aug 2025 – Jan 2026

- Coordinated technical workshops and hackathon logistics for club-wide events, ensuring smooth execution and strong member participation.
- Mentored sub-executive members in web development fundamentals and robotics software integration workflows.

AUST Robotics Club | *Sub-Executive Member* Dhaka, BD Jan 2025 – Aug 2025

- Contributed to event planning and cross-team collaboration initiatives, supporting successful execution of club hackathons and technical seminars.

Notre Dame Outward Bound Adventure Club | *Group Representative* Dhaka, BD Oct 2020 – Sep 2022

- Represented student cohort in club activities and outdoor leadership programmes, developing resilience, team coordination, and decision-making under pressure.

Awards & Achievements

Champion — AUST CSE Carnival 7.0 Hackathon

Apr 2026

- Led a team to design and deliver GoliTransit, a multimodal urban route intelligence system powered by ML and OSM geospatial data, winning the top prize in the university's most competitive engineering hackathon.

Best Panel Member Award — AUST Robotics Club Web & App Development Team

Jan 2026

- Recognised for outstanding individual technical contributions to the design, development, and launch of the club's official mobile application and website.

1st Runner-Up — IEOM Society AUST Student Chapter, Research Symposium 1.0

Mar 2025

- Secured second place among competitive undergraduate research teams for an innovative, technology-driven research proposal focused on real-world problem solving.