

Md Irfan Hakim Bhuiyan

Dhaka, Bangladesh

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SUMMARY

Results-driven Software Engineer with experience building production mobile applications, full-stack web platforms, AI/ML decision-support systems, and interactive simulation tools. Skilled in designing user-focused products, developing scalable architectures, integrating responsible AI capabilities, and collaborating within cross-functional engineering teams. Combines hands-on development experience with technical leadership, mentoring, teaching, and product-oriented problem solving.

SKILLS

Mobile Development	Flutter, React Native, Riverpod, SQLite
Frontend	React, Next.js, TypeScript, Three.js, HTML5, CSS3, Tailwind CSS
Backend	FastAPI, Node.js, Express, Python, Java, C#, REST APIs
Database	MongoDB, PostgreSQL, Firebase
Cloud & DevOps	AWS, Azure, Docker, Git, GitHub, CI/CD
Artificial Intelligence	XGBoost, Isolation Forest, Scikit-learn, RAG, LangChain, OpenAI API, Prompt Engineering
Engineering	System Design, Data Visualization, Testing, Debugging, API Integration
Leadership	Technical Strategy, Team Coordination, Mentoring, Teaching, Communication

EXPERIENCE

Software Engineering Intern (Mobile App)

Oct 2025 – Jan 2026

Sadiq App

Worked on a production-grade mobile application with more than 1M downloads on Google Play Store. Contributed to feature development, functional bug fixing, performance improvements, and maintenance of an established production codebase.

CTO

Jun 2026 – Present

Impactfuse Coalition

Leading technical strategy, product architecture, and engineering planning for scalable social-impact platforms. Coordinating development priorities, reviewing technical decisions, and translating product objectives into actionable implementation roadmaps.

Lead Instructor, Summer School '26

May 2026

DUCSU

Led the “Python & Machine Learning for Research” program. Taught Python, data preparation, feature engineering, model development, evaluation, and research-oriented machine-learning workflows while mentoring students through practical projects.

Instructor

Jul 2025

Research-Driven Python and Machine Learning

Delivered lessons on Python programming, data analysis, preprocessing, visualization, and machine-learning fundamentals. Designed practical examples aligned with academic and research applications.

Head of IT

Oct 2025 – Present

Al Biruni Society of Scientific Studies

Overseeing technical strategy, development workflows, and organization-wide IT initiatives. Coordinating platform planning, technical support, and technology adoption across multiple teams.

Volunteer & Leadership Roles

Aug 2023 – Jan 2025

Multiple Organizations

Served as Campus Ambassador for BRAC Traction Ovvudoy and UIU CSE Fest, supporting outreach and participant engagement. Volunteered in IUTCS events including Coderush and National ICT Fest.

EDUCATION

Islamic University of Technology

2022 – Present

BSc in Software Engineering

Cumilla Victoria Govt College

2021

HSC

Ispahani Public School and College

2019

SSC

PROJECTS

RoktoAI

GitHub | Live

End-to-end blood-donation application connecting requesters, donors, hospitals, and blood-donation organizations through one coordinated digital platform.

Highlights: Includes donor discovery, blood requests, hospital workflows, organization participation, and centralized donor-database management.

ShikkhaAI

GitHub | Live

Adaptive educational platform aligned with the Bangladesh National Curriculum and Textbook Board curriculum.

Highlights: Analyzes examination performance to identify chapter-specific weaknesses and generate targeted, personalized learning priorities.

Rokto Sheba

GitHub | Live

Next.js-based blood-donation and donor-management platform designed to connect eligible donors with blood requesters.

Highlights: Provides donor registration, verification, search, blood-request management, responsive interfaces, and administrative controls.

Interview-Prep

GitHub | Live

Structured technical interview-preparation portal for maintaining consistent DSA and software-engineering practice.

Highlights: Organizes coding problems, technical notes, development resources, revision materials, and learning references.

IUT-SIKS

GitHub | Live

Centralized student-information and campus-services platform developed for Islamic University of Technology students.

Highlights: Consolidates institutional information and frequently used student services while simplifying fragmented campus workflows.

AgentLens

GitHub | Live

AI-assisted fintech decision-support platform for multi-provider mobile financial-service agent operations.

Highlights: Uses XGBoost liquidity forecasting, Isolation Forest anomaly review, data-quality-aware confidence, explainable alerts, and auditable human-reviewed case workflows.

Vantage Arm Simulator

GitHub | Live

Browser-based 3D control and automation environment for a six-degree-of-freedom robotic arm.

Highlights: Includes URDF visualization, inverse kinematics, keyboard and voice control, autonomous PIN execution, motion validation, and emergency-stop protection.

ACHIEVEMENTS

- **5th Place among 750 teams** — Codex Community Hackathon, SUST CSE Carnival 2026.
- **Finalist** — The Infinity AI BuildFest 2026.
- **Finalist** — Techathon Nationals & Rover Summit 2026.
- **1st Runner-Up** — Mobile App Development, National Skills Competition 2025.
- **Runner-Up** — Science Fest 2021.

SELECTED TECHNICAL HIGHLIGHTS

- Built mobile and web applications using Flutter, React Native, React, Next.js, TypeScript, FastAPI, Node.js, and Firebase.
- Applied XGBoost, Isolation Forest, lag features, rolling-window features, explainable evidence, and time-based model validation.
- Designed responsible AI workflows using data-quality checks, confidence reduction, deterministic fallbacks, and human review.
- Implemented inverse kinematics, interactive 3D simulation, voice-command processing, autonomous motion planning, and safety validation.
- Experienced in REST API design, database integration, deployment, debugging, testing, and Git-based team collaboration.

LANGUAGES

English — Professional Working Proficiency

Bangla — Native Proficiency