



FAISAL AHMED

Aspiring Computer Science Engineer with a primary focus on Cybersecurity and Software Quality Assurance, dedicated to building secure, resilient systems.

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EDUCATION

BRAC University

2021 (July) - 2026 (January)

- B.Sc in Computer Science and Engineering
- Result: **CGPA- 3.60 out of 4**
- Inducted into the Vice Chancellor's List for academic performance during a designated session.

RESEARCH PROJECT

- Deep Learning–Based Behavioral Biometric Authentication Using Keystroke and Touch Patterns:** Achieved 93.24% (keystroke) & 92.96% (touch) accuracy with strong cross-session (92.50%) and unseen-user generalization (90.74%).

PROJECTS

- Fitness & Nutrition platform (Django):** Built a multi-role web app with workout & nutrition plans, subscription & payment interfaces (Stripe & bKash), BMI tracking, tutorials, discussion forum, AI chatbot, etc. ([GitHub](#))
- Lifeline Emergency & Medical Aid (MERN Stack):** Deployed a multi-role emergency web app with real-time helper tracking, an AI medical chatbot, Hospital locator, payment interfaces for premium features, etc. ([GitHub](#))
- To-Let Management System (PHP):** Developed a rental platform with user auth, property listings, search filters, booking requests, admin dashboard, etc. ([GitHub](#))
- Telecom Churn Analytics Platform (Python/ML):** Created a ~98% F1-score churn predictor using cost-sensitive Random Forest models, advanced feature engineering, and a real-time Streamlit dashboard. ([GitHub](#))
- Automated Car Parking System (Arduino):** Built an RFID parking manager with an automated tolling. ([GitHub](#))
- Tile Block Puzzle Game (PyGame):** Developed a block-falling arcade game with dynamic obstacles. ([GitHub](#))
- Pothole Detection System (YOLOv8/CV):** Created a real-time road safety tool using YOLOv8 segmentation to detect, track, and classify potholes by risk level, featuring automated severity reporting and analytics. ([GitHub](#))
- Country Guide (JavaScript):** Made an interactive web app for exploring global country insights. ([GitHub](#))
- TechEcommerce Penetration Testing Report:** Identified and patched critical security vulnerabilities. ([GitHub](#))
- NexaCare QA Strategy:** Designed TDD/BDD test cases, CI/CD plans, and maintenance protocols. ([GitHub](#))

PROFESSIONAL SKILL

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|-----------|----------|--------------------|--------------|--------|
| • Python | • Django | • Machine Learning | • Javascript | • PHP |
| • Postman | • Figma | • HTML | • SQL | • Jira |

CERTIFICATIONS

- Foundations of User Experience (UX) Design, Google, Coursera, August, 2025 ([Credential](#))
- How to create a Jira SCRUM project, Coursera Project Network, Coursera, October, 2025 ([Credential](#))
- Software Testing, Deployment, and Maintenance Strategies, IBM, Coursera, October, 2025 ([Credential](#))
- Digital Marketing Certified, HubSpot Academy, October, 2025 ([Credential](#))

EXTRA CURRICULAR ACTIVITIES

- Former member of the BRAC University Research and Development (BUREd) club.
- Solved diverse flag-finding challenges, including picoCTF, to enhance cybersecurity skills. ([Youtube playlist](#))
- Explored video crafting, strengthening creativity, storytelling, and technical production skills. ([Video samples](#))

REFERENCES

- | | |
|--|---|
| • Dr. Muhammad Iqbal Hossain
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TVET Specialist (SICIP), Ministry of Finance, Bangladesh
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