Ashikuzzaman

Barishal, Bangladesh | (+880) 1748646471 | a20.cse@bu.ac.bd
Google Scholar My Website

ABOUT ME

Enthusiastic Computer Science and Engineering graduate specializing in Cybersecurity. Advanced proficiency in Python, C++, and Java. Proven research experience in IoT security and anomaly detection, achieving up to 99.91% accuracy in intrusion detection frameworks. Advanced English proficiency (TOEFL iBT: 100/120, C1 Level). Expertise in PyTorch, scikit-learn, Django, and explainable AI techniques (SHAP, Morris sensitivity analysis).

EDUCATION

Bachelor of Science in Computer Science and Engineering University of Barisal, Bangladesh
CGPA: [3.09]

RESEARCH EXPERIENCE

Research Assistant University of Global Village, Bangladesh
Mar 2025 – Sep 2025

- Researched IoT security and developed an optimized Decision Tree-based framework for explainable intrusion detection.
- Utilized SHAP and Morris sensitivity analysis for model interpretability.
- Implemented preprocessing pipelines including SMOTE for class imbalance and RFE-CV for feature selection.

PROFESSIONAL EXPERIENCE

Django Developer (Remote) Fort Media Company, United Kingdom
Jul 2024 – Feb 2025

- Developed scalable back-end systems, RESTful APIs, and MySQL databases.
- Collaborated in Agile environments to deliver robust software solutions.

PUBLICATIONS

- **An Optimized Decision Tree-Based Framework for Explainable IoT Anomaly Detection**, 2025.
  Published in 2nd IEEE International Conference (COMPAS).
- **StackLiverNet: A Stacked Ensemble Model for Accurate and Interpretable Liver Disease Detection**, 2025.
  Published in 16th IEEE International Conference (ICCCNT).
- **Brain TumorNet: An Interpretable Soft Voting Ensemble of CNNs for Brain Tumor Classification**, 2025.
  Submitted to 2nd IEEE International Conference (QPAN).
- **SDNGuardStack: An Explainable Ensemble Framework for High-Accuracy Intrusion Detection in SDN**, 2025.
  Submitted to 15th IEEE International Conference (CSNT2026).
- **Mobile TinyVit: Rapid and Interpretable Detection of Cotton Leaf and Plant Diseases Using Lightweight Transformer Ensemble**, 2026.

Under Review — Indonesian Journal of Electrical Engineering and Informatics (IJEEI).

- **EfficientShuffleNetV2 Framework for Automated Disease Detection in Niphad Grape Leaves**, 2026.
  Submitted to 15th IEEE International Conference (CSNT2026).

PROJECTS

- **Hospital Management System**: Object-oriented Java application for improving clinical workflows.
- **Mini Search Engine**: Keyword-based search algorithm with built-in SEO Checker.
- **Healthcare & Sports Web Apps**: Interactive platforms using HTML, CSS, and PHP.

TECHNICAL SKILLS

- **Languages**: Python (Advanced), C, C++, Java, PHP, SQL, LaTeX
- **Frameworks & Libraries**: PyTorch, scikit-learn, Flask, Django
- **Tools & Platforms**: Git/GitHub, Linux (Ubuntu), MySQL

LANGUAGE PROFICIENCY

- Bengali: Native
- English: C1 (TOEFL iBT: 100/120 — 12 Oct 2025)
  Reading: 29 | Listening: 27 | Speaking: 20 | Writing: 24

LEADERSHIP & ACTIVITIES

- Joint Secretary & Presidium Member, Jhalakathi Debating Society (JDS) — Coordinated national debate events.
- Volunteer, Red Crescent Youth — Completed Basic and First Aid training; emergency response.
- Athlete — Represented school in inter-school Hockey and Basketball tournaments.