SAZZAD HIMEL

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🌐 Portfolio/Sazzad-Himel   in linkedin.com/sazzad-himel   ⭘ github.com/SazzadHimel   </> leetcode.com/SazzadHimel

PROFILE STATEMENT

Developer with practical experience in **AI, Machine Learning, Deep Learning, and full-stack development** using **FastAPI, MERN and Laravel** frameworks. Applied data-driven methods and back-end integration to build scalable web applications and AI-based tools. Interested in solving real-world challenges through automation, predictive modeling, and robust system design in the field of **Data Science & Ai**.

EXPERIENCE

BRAC University International Biotechnology Conference - 2025   Dec '24 – Jun '25
Web Design and Developer   *Hybrid*
- Designed, developed, and maintained a responsive website for an international conference, handling over 1000+ abstract submissions and boosting global visitor engagement by 40%.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, PHP, C/C++, SQL
- **Frameworks & Libraries:** FastAPI, MERN Stack, Laravel, PyTorch, TensorFlow, Scikit-learn
- **Tools & Platforms:** Git, GitHub, Postman, Excel, Power BI, REST API Development, MongoDB
- **Data & Analytics:** NumPy, Pandas, Matplotlib, Data Structures & Algorithms, Web Scraping (BeautifulSoup)

EDUCATION

BRAC University   Jun '21 – Jul '25
Bachelor of Science (BSc) in Computer Science and Engineering   *Dhaka, Bangladesh*

Government Science College   2018 – 2020
Higher Secondary Certificate (HSC) — GPA: 5.00   *Dhaka, Bangladesh*

Barnamala Adarsha High School and College   2016 – 2018
Secondary School Certificate (SSC) — GPA: 5.00   *Dhaka, Bangladesh*

ACHIEVEMENTS

- **Microsoft AI Product Manager Professional Certificate** — View Credential   Jul '25
- **Machine Learning Specialization** — View Credential   Jun '25
- **Deep Learning Specialization** — View Credential   Jun '25
- **IBM Data Science Professional Certificate** — View Credential   Apr '25
- **Data Analytics Career Bootcamp** — View Credential   Dec '24

PROJECTS

Vendor Performance Analysis | *Python, SQL, Numpy, Pandas, Scikit-learn*   Aug '25
- Analyzed 12.8M+ sales records to identify critical vendor performance patterns, revealing a 72% cost reduction through bulk purchasing and 65.7% vendor concentration risk that informed strategic procurement decisions.
- Developed data-driven inventory optimization strategies by quantifying margin differences (41.55% vs 31.17%) between vendor tiers and identifying slow-moving stock, enabling targeted interventions to improve profitability.

SKill Swap | *React.js, FAST API, Python, SQLite, JavaScript*   Aug '25
- Developed a full-stack skill sharing platform where users can register, teach/learn skills, manage wishlists, create events, and leave comments, ratings. Admins have full control over user management and platform moderation.

Online Food Ordering System | *Laravel, PHP, Bootstrap*   Mar '24
- Built a food ordering website application enabling users to browse menus, add items to wishlists, place orders, and write reviews. Integrated an admin panel to update menu items and processing customer orders efficiently.

RESEARCH EXPERIENCE

Enhancing multi-class malware detection in resource-constrained environments **Jun '24 – Jun '25**
Undergrad Thesis *BRAC University*

- Applied a structured modeling approach, training and evaluating a suite of algorithms (Random Forest, LightGBM, Decision Tree, KNN) on a significant dataset (60k+ samples) to determine the optimal solution.
- Utilized Python, Scikit-learn, Pandas, NumPy, different visualization tools, Genetic Algorithm, and PCA.

LEADERSHIP / EXTRACURRICULAR

BRAC University Computer Club | Senior Executive **Oct '21 – Dec '24**
Led creative department with 150+ members to design excellent pictures for events

BRAC University Research For Development Club | Senior Executive **Apr '23 – Jun '24**
Led event management department with 100+ members to organize successful events.

REFERENCES

Dr. Muhammad Iqbal Hossain, Ph.D. | Associate Professor **Jan '18 - present**
Department of Computer Science and Engineering *BRAC University*

- **Email:** iqbal.hossain@bracu.ac.bd
- **Office:** Level 4, Room 4G22 Kha-224 Merul Badda, Dhaka 1212, Bangladesh
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Dr. Munima Haque, Ph.D. | Associate Professor **Jul '20 - present**
Department of Mathematics and Natural Sciences *BRAC University*

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