SAZZAD HIMEL

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PROFILE STATEMENT

Developer with practical experience in **AI, Machine Learning, Deep Learning**, and full-stack development using **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 artificial intelligence.

EXPERIENCE

BRAC University International Biotechnology Conference - 2025   Jan '25 – Jun '25
Web Developer   *On-Site*
- Designed, developed, and maintained a responsive 6-month live website for BRACU's international conference, handling over 1000+ abstract submissions and boosting global visitor engagement by 40%.

BRAC University Research For Development Club   Oct '24
Web Developer   *Remote*
- Created a static club website to showcase ongoing research activities, past events, and announcements, attracting over 500+ monthly student visitors and increasing club visibility.

Aspire Apparels LTD   Oct '23
Web Developer   *Remote*
- Implemented and maintained 2 corporate websites for international clients in Europe and the Middle East, improving brand presence and reducing manual inquiries by 30% through digital automation.

TECHNICAL SKILLS

- **Programming Languages:** Python, PHP, JavaScript, C++
- **AI & ML Frameworks:** PyTorch, TensorFlow
- **Web Development Frameworks:** Laravel, MERN
- **Databases:** MySQL, MongoDB
- **Other Expertise:** Git, GitHub, REST API, Postman, Data Analysis tools(NumPy, Pandas, Matplotlib)

EDUCATION

BRAC University   Jun '21 – Jul '25
BSc in Computer Science and Engineering   *Dhaka, Bangladesh*
- Thesis: *"Multiclass Malware Detection for Resource-Constrained Environments"*

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

- **IBM Data Science Professional Certificate**   Apr '25
- **Machine Learning Specialization**   Jun '25
- **Deep Learning Specialization**   Jun '25

PROJECTS

<u>Rent Ease</u> | *React.js, Express.js, Node.js, MongoDB, JavaScript* **Sep '24**
- Developed a full-stack rental platform where users can register, browse rental items, manage wishlists, post listings, and leave reviews. Admins have full control over user management and platform moderation.

<u>Money Heist Game</u> | *Python OpenGL* **Sep '24**
- Created a 2D game using Python OpenGL, implementing classic computer graphics algorithms such as midpoint line and circle drawing.

<u>Online Food Ordering System</u> | *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.

<u>Breast Cancer Classification</u> | *Python, NumPy, Pandas, Matplotlib, Scikit-learn* **Dec '23**
- Implemented multiple ML models (Logistic Regression, Decision Tree, Random Forest) to classify breast cancer tumors; achieved highest accuracy with Random Forest. Visualized insights to support early diagnosis.

RESEARCH EXPERIENCE

Undergraduate Thesis — BRAC University **Jun '24 – Jun '25**
"Multiclass Malware Detection for Resource-Constrained Environments" *Dhaka, Bangladesh*
- Multiple models applied and compared: Random Forest, LightGBM, Decision Tree, and KNN.
- Applied SMOTE and SOM-US for class balancing; significantly improved accuracy.
- Tools: Python, Scikit-learn, LightGBM, Pandas.

LEADERSHIP / EXTRACURRICULAR

BRAC University Computer Club **Oct '21 – Dec '24**
Senior Executive *BRAC University*
- Led creative department with 250+ members to design excellent pictures for events.

BRAC University Research For Development Club **Apr '23 – Jun '24**
Senior Executive *BRAC University*
- Led event management department with 200+ members to organize successful events.