

Mridul Kanti Kundu

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CAREER OBJECTIVES

“Focused on using skills in **Data Science, Machine Learning, Computer Vision, Data Mining**, and **Software Engineering** to turn complex data into useful insights and smart solutions. Aiming to build practical, **data-driven applications** that solve real problems with **strong thinking, problem-solving**, and **engineering skills**. Excited to work on **challenging projects**, **team up with creative people**, and keep learning to make a positive impact in data science and software development.”

EDUCATIONIONAL BACKGROUND

Bachelor of Science In Computer Science And Engineering
American International University-Bangladesh (AIUB)
CGPA 3.63 (Out Of 4.00)

January 2022 – 2025 (Ongoing)

Higher Secondary Certification
Joypurhat Govt. College, Joypurhat
CGPA 4.83 (Out Of 5.00)

2017 – 2019

Secondary School Certification
Ramdeo Bazla Govt. High School, Joypurhat
CGPA 5.00 (Out Of 5.00)

2019

PERSONAL STATEMENT

“I am a highly motivated and detail-oriented **Computer Science and Engineering** student at **AIUB** with a strong foundation in **Data Science, Machine Learning, Computer Vision, Data Mining**, and **Software Engineering**. My academic journey and project experiences have allowed me to develop strong **analytical skills, data-driven** problem-solving abilities, and hands-on expertise in working with complex datasets and scalable software systems. I am deeply passionate about transforming raw data into meaningful insights and building innovative solutions that address **real-world challenges**. With a commitment to continuous learning and adaptability, I strive to stay at the forefront of technological advancements while sharpening my technical and professional skills. I am eager to contribute my knowledge and creativity to **dynamic projects**, collaborate with like-minded professionals, and make a lasting impact in both data science and software engineering fields.”

SKILLS

- Programming Languages: C++, Java, C#, Python, JavaScript, PHP, R, SQL
- Web Development: HTML, CSS, JavaScript, PHP
- Database Management: SQL (MySQL, SQL Server)
- Software Development: Object-Oriented Programming (OOP)
- Machine Learning & Data Science: Supervised & Unsupervised Learning, Deep Learning, Data Visualization, Model Optimization

UNDERGRADUATE THESIS

I am currently conducting an unofficial undergraduate thesis in the field of Deep Learning, focusing on developing a Generative Adversarial Network (GAN).

PROJECTS

Food Management System (Java)
Technologies:

2022

- Java, MySQL/PostgreSQL, Java Swing/JavaFX, JDBC/Hibernate
- Secure Authentication (BCrypt/SHA), Payment Integration (PayPal/Stripe)

- Admin Panel – Manage food, orders, customers
- Customer Reviews – View & analyze feedback
- Secure Login – Authentication & password management
- Payments – Seamless transaction handling

Car Selling Management (C#)

2024

Technologies:

- C#, MySQL (Database), Secure Payment Integration (Card/Online Banking)
- Admin Panel – Manage cars, users, and transactions
- Car Categorization – New & used vehicle listings
- Secure Authentication – Login/logout, customer management

Mango Leaf Disease (Machine Learning)

2024

Technologies:

- Machine Learning, Classification & Diagnosis Algorithms
- Disease Detection – Applied ML models for accuracy
- Model Evaluation – Compared algorithms for best results

Traveling to Cox's Bazar (OpenGL)

2023

Technologies:

- OpenGL (GLUT), C++
- Interactive Simulation – Journey from Komlapur to Cox's Bazar
- User Controls – Mouse, keyboard, smooth animations

Helping Individuals Cope with Depression

2024

Focus Area:

- Psychological Study, Mental Well-being Strategies
- Research Paper – Explores interventions for mental health
- Effective Methods – Strategies to reduce depression levels

Job Junction (HTML, CSS, JavaScript, PHP)

2024

Technologies:

- Web Development (HTML, CSS, JavaScript, PHP), MySQL
- Freelance Platform – Browse and apply for jobs
- Client Portal – Post job listings & hire freelancers

Old Age Home Care (Android, Firebase, Agile Scrum)

2024

Technologies:

- Android Development, Firebase, UI/UX Design, Agile (Scrum)
- Comprehensive care management system with real-time health tracking
- Secure communication tools for staff and family members
- Automated scheduling and streamlined billing for enhanced efficiency
- Cross-platform usability and accessibility across devices

Face Recognition System (Deep Learning, Transfer Learning)

2024

Technologies:

- Python, Deep Learning, TensorFlow/Keras, OpenCV
- Implemented face recognition system using transfer learning with pre-trained models
- Achieved high accuracy in real-time face identification
- Optimized model performance for speed and scalability

EXTRA-CURRICULAR ACTIVITIES

- ❖ **General Member, AIUB Computer Club** – Engaged in coding contests, technical discussions, and knowledge-sharing activities, fostering teamwork and continuous learning.
- ❖ **Volunteer, CS Fest 2024 (AIUB)** – Contributed to organizing workshops, managing participants, and ensuring smooth event operations, strengthening leadership and coordination skills.

PROFESSIONAL INTERESTS

1. Project Management
2. Public Relations
3. Teamwork

4. Time Management
5. Leadership & Critical Thinking
6. Open-Source Contribution
7. AI & Machine Learning

LANGUAGE PROFICIENCY

English (Fluent), Bangla (Fluent), Hindi (Basics)

CERTIFICATES

❖ IT Essentials – Cisco Networking Academy

Gained foundational knowledge in PC hardware, operating system installation, networking fundamentals, and cybersecurity principles.

❖ Fortinet Certified Associate in Cybersecurity (FCA)

Demonstrated foundational knowledge in cybersecurity principles, network security, and Fortinet solutions.

❖ Fortinet Certified Fundamentals in Cybersecurity (FCF)

Acquired foundational knowledge in cybersecurity concepts, network security, and Fortinet technologies.

REFERENCES

Dr. Debajyoti Karmaker

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