BASHARUL – ALAM - MAZU
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OBJECTIVE

To leverage my expertise in data science, data mining, and human-computer interaction, along with a strong foundation in natural language processing and machine learning, to develop innovative AI-driven solutions. Passionate about solving complex problems, enhancing user experiences, and advancing AI research.

EDUCATION

Bachelor of Computer Science and Engineering

American International University- Bangladesh (AIUB)

2022-2026
CGPA: 3.74/4

PROJECTS

Green Tea Coffee Shop | Source
- Built a fully functional e-commerce platform with a modern, user-friendly interface.
- Developed a dynamic frontend ensuring compatibility across multiple devices.
- Designed and implemented an admin panel for product management.
- Integrated a chatbot for real-time customer support.
- Designed a MySQL database for efficient data handling.
- Technologies Used: HTML5, CSS3, JavaScript, PHP, MySQL.

SkyQuest-Arcade-OpenGL | Source
- Developed an engaging 2D arcade game featuring interactive transformations.
- Implemented progressive difficulty levels and dynamic obstacles.
- Integrated a scoring and health mechanism for strategic gameplay.
- Designed immersive audio-visual effects to enhance player experience.
- Technologies Used: C++, OpenGL GLUT, File Systems.

Movie Recommendation System | Source
- Developed a recommendation engine using collaborative filtering.
- Implemented data preprocessing and feature extraction techniques.
- Technologies Used: Python, Pandas, Scikit-learn, NumPy.

AIUB Offered Courses | Source
- Developed a recommendation system based on academic history.
- Used machine learning algorithms for personalized course suggestions.
- Technologies Used: C++, C#, .NET Framework, Algorithms.

Blood Donor | Source
- Built a platform for blood donors to register and find matches efficiently.
- Integrated a secure authentication and donor verification system.
- Technologies Used: C#, .NET Framework, SQL.

Mobile Retail Shop | Source
- Designed a retail management system with inventory tracking and billing.
- Developed an admin panel for store and customer management.
- Technologies Used: C#, .NET Framework, SQL, GUNAUI 2.

Tic Tac Toe | Source
- Built a strategic multiplayer Tic Tac Toe game with AI integration.
- Implemented Minimax algorithm for AI decision-making.
- Technologies Used: Python, Tkinter, Algorithms.

Bus Transportation Management System | Source
- Built a comprehensive bus ticketing and management platform.
- Integrated email and SMS verification for security.
- Technologies Used: C#, .NET Framework, SQL Server, Metro UI.

Prestige Motor Sales | Source
- Built a car inventory and sales management system.
- Integrated a secure payment gateway and admin dashboard.
- Technologies Used: Java, File Systems, File Management.

SKILLS

- **Programming Language:** C, C++, JAVA, C#, Python, R, Go
- **Markup Language:** HTML, CSS, JS, PHP
- **Database Management:** Microsoft SQL Server, MySQL, Oracle
- **Tools and Platforms:** Git, GitHub
- **Visualization:** Power BI

ACTIVITIES

I am passionate about machine learning, deep learning, and neural networks, constantly working on innovative projects. I actively contribute to open-source communities, sharing my knowledge and skills, and hold certifications that reflect my commitment to continuous learning and giving back.