Md. Mehedi Hasan Hira

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@Hira-28 Mehedi Hasan

ABOUT ME

A passionate and driven Computer Science and Engineering student at Daffodil International University, with a strong foundation in software development, machine learning, and front-end engineering. Proficient in multiple programming languages and frameworks, with hands-on experience building AI/NLP models, and production-ready web applications. Currently interning at Arklab AI as a Front-End Developer, contributing to innovative, AI-driven platforms. Deeply motivated to explore emerging technologies in Artificial Intelligence, Automation, and committed to transforming creative ideas into impactful digital solutions.

SKILLS

- **Languages:** C | C++ | Python | Java | JavaScript
- **Frontend:** HTML | CSS | React.js
- **Database:** MySQL | Oracle | Flask
- **Tools and Services:** Git | Java Swing | Figma | VS Code | XAMPP
- **Areas of Interest:** Artificial Intelligence (AI) | Machine Learning (ML) | NLP

EDUCATION

- BSc (CSE) | Daffodil International University — Year of completion: **2026 (Expected)**
- HSC(Science) | Govt.BM College — ***GPA*: *5.00* | *(2021)***
- SSC(Science) | Abdul Hye Biddaniketan — ***GPA*: *5.00* | *(2019)***

WORK EXPERIENCE

- **Front-End Developer Intern — Arklab AI**
  - **Duration:** JULY 2025 – Present
  - **Location:** Remote
  - Developing responsive and modern web interfaces for AI and data-driven platforms.
  - Collaborating with UI/UX designers to convert Figma prototypes into functional websites using React.js and Tailwind CSS.
  - Contributing to carousel content design and promotional assets for **Arklab AI's marketing campaigns**.

ACADEMIC PROJECTS

- **Plant Leaf Disease Detection System Using Deep Learning**
  - **Tech Stack:** Python, TensorFlow
  - **Description:** Detects and classifies plant leaf diseases using image processing and deep learning.
  - **My Contribution:** Dataset preprocessing and model training.

- **Human Capability Decline Due to Automation — ML Research Project**
  - **Tech Stack:** Python, Pandas, NumPy, Matplotlib, Scikit-learn
  - **Description:** Investigated the relationship between automation and human skill degradation using real-world datasets and analytical models.
  - **My Contribution:** Dataset collection, Data analysis, feature engineering, and model implementation.

- **Racism and Body Shaming Detection using NLP**
  - **Tech Stack:** Python, NLTK, scikit-learn, Pandas
  - **Description:** Developed a Natural Language Processing system to automatically detect and classify **racist** and **body-shaming** comments from social media posts.
  - **My Contribution:** Model training, dataset cleaning, and evaluation of accuracy metrics.

ACHIEVEMENTS / HOBBIES

- **UTA Finalist**
  Selected for the main round of the **''Unlock the Algorithm Programming Contest, Spring 2024''** organized by DIU CPC (Computer Programming Club).
- **NDAC-2025**
  Participated in the "**Data Visionary: National Data Analytics Competition (NDAC 2025)"** organized by Daffodil International University, in collaboration with the Department of CSE, DIU NLP & ML Research Lab.
- **DU AI Challenge 2025**
  Participated in the **"Dhaka University AI Challenge 2025"**, showcasing innovative problem-solving using machine learning and Deep learning.
- **Executive Club Member**
  Selected as an executive member of **''Computer & Programming Club''** at Daffodil International University.