MD Fuyad Ibnay Rafi

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EDUCATION

BRAC University

- *Bachelor of Science in Computer Science CGPA - 3.45* (2022-2026)

Birshreshtha Noor Mohammad Public College

- *HSC in Science – GPA: 5.00 (2020)*

Birshreshtha Noor Mohammad Public College

- *SSC in Science – GPA: 5.00 (2018)*

SKILLS

Machine Learning & Data Science: Deep Learning (VAE), NLP, TensorFlow, Scikit-learn, Data Scraping, and visualization

Programming & Frameworks: Python, JavaScript (ES6+), React, Node.js, Express, Django, Tailwind CSS, TypeScript

Databases, APIs & Tools: MongoDB, REST APIs, Google Colab, VS Code, AWS cloud (AWS Skill Builder), Git

Soft Skills & Languages: Effective Communication, Teamwork, Problem Solving, Bangla (Native), English (Fluent), Hindi (Conversational), Japanese (Basic), French (Basic)

PROJECTS

MERN Book Management Web Application

- Developed a full-stack MERN app with Node.js/Express REST APIs, MongoDB schema design, and a React frontend featuring reusable components, client-side routing, and responsive Tailwind CSS UI for seamless book management.
- Applied scalable CRUD operations, effective API integration, and state management, provided a complete system with production-ready and clean architecture and maintainable code.

AI-Powered News Concierge

- Built an AI-powered full-stack news concierge using Python, web scraping, REST APIs, and AI-assisted automation, demonstrating real-time content aggregation, natural language processing (NLP), and dynamic data handling.
- Developed a scalable and production-ready architecture, which is modular in branches, an iterative development process, optimized deployment, and versioning (Git/GitHub), which demonstrated skills in AI integration, software engineering, and cloud-ready web apps.

Django Blog Web Application

- Designed an entire stack Django blog, based on secure authentication, dynamic CRUD, routing, and a responsive user interface, which offers a professional, user-friendly interface.
- Created a scalable backend in Django ORM, HTML templates, and session management, which proves that I can make the code production-ready and possess strong web development skills.

RESEARCH

- My project is aimed at creating an AI-based, meta-learning-based skin disease classification system that will provide clinic-level diagnostic support with the help of a regular smartphone image. The system can be used to improve early dermatological screening, diagnostic accuracy, and accessibility in remote or resource-constrained environments, which is possible through the application of meta learning, deep learning, image processing, and computer vision methods.

EXTRACURRICULAR ACTIVITIES

English Olympiad Cinematographer

- Directed a group of 5+ members on a documentary project covering the English Olympiad Season 3 Grand Finale at UIU, which resulted in 10+ hours of footage coverage and end-to-end production.
- Provided quality event media to an audience of 300+ people with a 100 percent on-time attendance and created quality content that was used to promote the event officially.