Shadman Yaser

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Education

B.Sc. in Computer Science and Engineering, International Islamic University Chittagong (2021–2025)
CGPA: 3.56
HSC, Chittagong Govt Model School and College (2019–2020)
GPA: 5.00
SSC, Bangladesh Railway Govt High School (2016–2017)
GPA: 4.86

Skills

- **Programming:** PHP, C/C++, JavaScript (learning), SQL, OOP
- **Web Development:** Laravel (Routing, Blade, Migration, Validation, Auth, MVC), HTML5, CSS3, Tailwind CSS
- **Tools/Frameworks:** XAMPP, Power BI, Excel, Git, MySQL
- **Machine Learning:** CNN, Attention Mechanisms, Classification, Data Analysis
- **Others:** Problem Solving, Research, Team Collaboration, Dashboard Development

Work Experience

Teaching Assistant – Basic Electrical and Electronics Engineering Lab (Jul 2023 – Dec 2023)
Assisted students in conducting lab experiments and understanding core concepts of electrical and electronics engineering. Provided support in troubleshooting circuit designs and using lab equipment effectively. Helped reinforce theoretical knowledge through practical application.

Projects

1. AstroAware - Designed and built an interactive impact simulator that turns live asteroid data into actionable insights. Integrated NASA NeoWs and Sentry APIs, the Wolfram Meteorite Landings dataset, and USGS hazard/population data to estimate impact energy, earthquake and tsunami effects, and map regional exposure (focused on Bangladesh). Implemented robust API integration and backend physics calculations, dynamic PDF briefing generation, and a real-time alert system that issues email notifications when an object becomes hazardous. On the frontend, created hover driven maps, risk rings, mitigation strategy guides and interactive learning features (quizzes, gallery and asteroid defense game) to increase public awareness and preparedness.(The project is live on render : Live)
2. Check User – Laravel CRUD app with Auth, Routing and MVC structure using MySQL. (Repo)
3. Krishi.net – Farming platform using Tailwind CSS for rural Bangladeshi users. (Live) (Repo)
4. Banana Ripeness Detection – Flask app allowing image upload and graph-based visualization of banana classes.(Deployed using Render)(Live) (Repo)
5. Power BI Dashboards – Created HR, call center, and e-commerce dashboards using Microsoft Power BI. (Repo)

Research and Interests

Strong interest in artificial intelligence, particularly in computer vision and deep learning. Enthusiastic about applying machine learning techniques to solve real world problems. Actively involved in hands-on experimentation, model optimization and building intelligent systems that make meaningful impact.

Competitions

1. Certificate of Achievement – 1st Runner-up of Hult Prize at IIUC 2024–25 On-Campus Program. (Certificate)
2. Certificate of Participation – Onsite Project Showcase Final Round by AUST Innovation and Design Club. (Certificate)
3. Certificate of Participation – AI ENGINEERING HACKATHON 2025 by Brain Station23 and Poridhi.io. (Certificate)
4. Certificate of Appreciation – Hackathon segment at Chittagong Science Carnival 4.0 (CUSS). (Certificate)

Courses

1. PHP (Laravel) Training – Dept. of CSE, CUET under EDGE Project (BCC, ICT Division). (Certificate)
2. Data Analyst with SQL & Python – Course Completed. (Certificate)
3. 12-Hour App Development Crash Course – IIUC SBC (Certificate)