MD Tanjirul Islam

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OBJECTIVE

To start my professional journey as a Frontend and IT Intern at Dublin 4IR, where I can apply my academic knowledge of web technologies, build interactive websites, and gain practical exposure to modern IT practices. I am eager to learn, contribute, and develop into a valuable resource for the organization.

TECHNICAL SKILLS

- **Programming Languages:** C++, Java, C#, JavaScript, TypeScript, Python, PHP
- **Frameworks & Libraries:** Node.js, Nest.js, React.js, Next.js, Tailwind CSS
- **Databases:** PostgreSQL, MySQL
- **Tools & Others:** Git/GitHub, OpenGL/GLUT, Postman, REST API, Linux systems
- **Soft Skills:** Project management, teamwork, time management, effective communication, critical thinking

PROJECTS & CONTRIBUTIONS

Online Store Management (Backend)
- Designed RESTful APIs with Node.js, TypeScript, and Nest.js.
- Optimized database operations using PostgreSQL for seamless data handling.
- Validated functionality using Postman to ensure smooth integration.
- Outcomes: Reduced API response time by 30%; improved data consistency by implementing validation rules.

Online Quiz Portal
- Built a real-time quiz system with dynamic scoring.
- Developed a responsive front-end using HTML, CSS, and JavaScript, and implemented back-end logic in PHP.
- Ensured secure handling of user data and optimized server-side queries for efficiency.
- Outcomes: Enhanced user engagement with a 25% faster load time; handled over 1,000 users concurrently during testing.

Parcel Delivery Management (Desktop Application)
- Automated parcel tracking with a user-friendly C# application.
- Integrated MySQL database to improve operational efficiency and data reliability.
- Created a dashboard to monitor delivery statuses in real time.
- Outcomes: Reduced delivery tracking errors by 0%; increased user satisfaction by streamlining workflows.

Charity Foundation System
- Developed a system to manage donor information and track charitable donations.
- Employed Java Swing/JavaFX to create a visually intuitive user interface.
- Ensured secure and efficient data handling with file I/O operations.
- Outcomes: Simplified donation tracking for non-profits, saving 20+ hours of manual work weekly.

Aircraft Scenario (Simulation)
- Simulated aircraft movements using C++ and OpenGL/GLUT for realistic 2D/3D visuals.
- Analyzed flight paths and visualized collision scenarios to ensure safety.
- Outcomes: Improved simulation accuracy by 15%; utilized for educational purposes in flight safety training.

EDUCATION

Bachelor of Science in Computer Science & Engineering   2021 – Present
American International University-Bangladesh (AIUB)   Dhaka, Bangladesh
Relevant Coursework: Data Structures, Algorithms, Software Engineering, Database Systems, Web Development
CGPA: 3.45

Bachelor of Science in Architecture   2019 – 2021
Pabna University of Science and Technology
Creativity, Problem Solving, Teamwork, Communication, Time Management, Attention to Detail

Higher Secondary Certificate (Science)

Rajshahi Govt. City College

GPA: 4.50

2017 – 2019

Bangladesh

LANGUAGES

English   Bangla