MD. SHAHRIAR KHAN LIMON

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SUMMARY OF QUALIFICATIONS

- Proficient in Java, Python, JavaScript, and PHP, with expertise in Django and Laravel.
- Strong foundation in OOP, algorithms, and efficient problem-solving.
- Extensive knowledge of SDLC, and TDD methodologies.
- Completed undergraduate thesis on evaluating CNN models for Diabetic Retinopathy detection using image processing and machine learning.
- Engaged in diverse university projects encompassing Online Shopping Mart, Network Infrastructure, Scholarship Management, and Flight Management System development.

EDUCATION

BRAC University   Mohakhali, Dhaka
Bachelor of Science in Computer Science and Engineering   August 2023
- CGPA: 3.63/4.00

Notre Dame College   Motijheel, Dhaka
Higher Secondary School Certificate (Science)   July 2018
- GPA: 5.00/5.00

Harimohan Govt. High School   Chapai Nawabganj
Secondary School Certificate (Science)   February 2016
- GPA: 5.00/5.00

RESEARCH

Evaluating the Effectiveness of CNN-Based Models for Diabetic Retinopathy Detection   BRAC University
Undergraduate Thesis   August 2022 - August 2023
- Explored Diabetic Retinopathy (DR) and its impact on diabetic retinal vessels.
- Proposed CNN models (EfficientNetV2B3, EfficientNetV2S, Inception-RestnetV2, MobileNetV2, fusion) for automated DR detection.
- Evaluated model performance using fundus images and a KNN classifier.
- Used ExplainableAI (LIME) to enhance understanding of DR diagnosis models.

Supervisor: Muhammad Iqbal Hossain, PhD

TECHNICAL SKILLS

- Programming Language: Java, also knowledge in Python
- Object-oriented programming (OOP) & Algorithms
- Frameworks: Django, Laravel
- Web Development: HTML, CSS
- Software development lifecycle (SDLC) & Test-driven development (TDD)
- Databases: SQL Server Management, MySQL, Mainating Crystal Reports
- Version Control: Git & GitHub
- Machine Learning & Image Processing
- Problem Solving, Team Player
- Other Tools: MS Office, Google Sheets/Slides, Adobe Suite

RELATED EXPERIENCE

Oranage Solutions Ltd, United Group   Madani Avenue, Dhaka
Software Development Intern   November 2023 - February 2024
- Contributed to software development initiatives, focusing on SQL, Microsoft Database Management, and ERP Solutions, particularly focusing on the production module.
- Demonstrated proficiency in SQL procedures & integration of Crystal Reports into screens using the ZAB framework.
- Acquired hands-on experience with the company's proprietary framework, based with Tomcat.

PROJECT EXPERIENCE

BRAC University   Mohakhali, Dhaka
Online Shopping Mart Website   January 2019 – June 2023
- Developed a user-friendly online shopping platform as a software engineering course project.
- Implemented login, cart management, payment processing, and admin controls.
- Applied Django framework following the Model-View-Template pattern.
- Ensured code maintainability by organizing tests in separate files.

BRACU Network Implementation (Group Project)
- Established network infrastructure linking multiple BRAC University campuses and centers using pocket tracer for Computer Network course project
- Configured routers for efficient data routing, incorporating both static and dynamic routing protocols.
- Implemented email server for communication and set up web server and designed network topology diagram, provided router configuration commands, and utilized VLSM for IP address allocation.

University Scholarship Management System
- Collaborated on a database systems project to develop a scholarship management system.
- Enabled administrators to manage student grades and allocate scholarships based on performance.
- Utilized SQL for database operations & PHP for server-side scripting and designed an intuitive user interface using CSS.

Flight Management System (Group Project))
- Collaboratively developed a Flight Management System for System Analysis and Design course.
- Conducted comprehensive requirement analysis for passengers, airline authorities, and airport admins.
- Implemented functional features like booking, tracking, and payment options.
- Addressed non-functional aspects including operational efficiency, performance, security, and regulatory compliance.

LEADERSHIP EXPERIENCE

Robotics Club of BRAC University   Mohakhali, Dhaka
Secretary of HR   August 2021 – June 2022
- Spearheaded HR responsibilities, overseeing club operations and event management.
- Demonstrated proficiency in utilizing Google Sheets and Forms for efficient data management.
- Organized two successful inter-university competitions, demonstrating strong organizational skills.

HONORS & INVOLVEMENT

- VC's List (3 semesters); Dean's List (2 semesters).
- Former Secretary Of HR at Robotics Club of BRAC University.
- Perfect Attendance Certificate from Notre Dame College.

REFERENCE

- **Muhammad Iqbal Hossain, PhD**
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