

FARDIA FARUQUE

+8801782847386 ◊ Dhaka, Bangladesh

fardiafaruque@gmail.com ◊ [linkedin.com/in/fardiafaruque](https://www.linkedin.com/in/fardiafaruque) ◊ github.com/fardiafaruque

EDUCATION

Chittagong University of Engineering and Technology (CUET) B.Sc. in Computer Science and Engineering	Feb 2020 – Aug 2025 CGPA: 3.26
Undergraduate Thesis: Detection and Recognition of Text in Low-Light Natural Scenes Proposed an end-to-end pipeline for low-light scene text recognition using EnlightenGAN-based enhancement with custom post-processing, CRAFT detection, and OCR models to improve character error rate compared to existing methods.	

SKILLS

Programming Languages:	Python, C, C++, Java, HTML, CSS, JavaScript, PHP, SQL
Frameworks	Reactjs, Flutter, Android SDK, OpenCV, YOLO (v5/v8), CRAFT, TensorFlow, PyTorch
Tools	VS Code, Git, NetBeans, Linux

PROJECTS

PetShop Ecommerce Website [HTML, CSS, JS, PHP, MySQL]	GitHub
<ul style="list-style-type: none">• E-commerce style website for browsing pets/products, with add-to-cart and adoption system.• Enabled user reviews, sitter applications, and live deployment for real users.	
Traffic Signal Detection App [Android Studio (Java), YOLOv5, TFLite]	GitHub
<ul style="list-style-type: none">• Android app for real-time detection of Green, Yellow, and Red signals from live camera feed.• Integrated YOLOv5 TFLite model for mobile inference and future smart traffic expansion.	
Flappy Bird (Customized) [Python]	GitHub
<ul style="list-style-type: none">• Enhanced Flappy Bird game with lives system, collectibles, and score penalty mechanism.• Balanced gameplay by continuing from last score if player has extra lives.	
CUETWedlock.com [HTML, CSS, PHP, Python]	GitHub
<ul style="list-style-type: none">• Matrimonial website with recommendation system, chat option, and user feedback integration.• Developed user-friendly interface and Python-based recommender engine.	
Hall Management System [Java Swing, MySQL]	GitHub
<ul style="list-style-type: none">• Desktop application for student info, room allocation, dining fees, and refund tracking.• Implemented search filters, token refunds, and automated fee calculation.	

EXTRA-CURRICULAR ACTIVITIES

<ul style="list-style-type: none">• Member, IEEE Student Branch CUET – Participated in technical sessions and networking events.• Member, Robo Mechatronics Association (RMA), CUET – Engaged in robotics and AI-related activities.• Took part in multiple hackathons and case solving competitions, gaining problem-solving and teamwork experience.
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