

Nur Uddin Ibne Huda

Room 409, Sher e Bangla Hall, BUET, Dhaka, Bangladesh

☎ (+880) 1871809096 | ✉ nuruddin.simon@gmail.com | 🏠 saimon7g.github.io | 📱 saimon7g | 🌐 Nur-Uddin-Ibne-Huda

Summary

CSE student from BUET with strong foundations in software development and problem-solving. Experienced in full-stack development with multiple successful projects utilizing Django, React, and VueJS. Seeking to pursue a highly rewarding career in software engineering and machine learning, in a challenging and healthy work environment where I can utilize my skills and knowledge efficiently for organizational growth.

Education

Bangladesh University of Engineering and Technology

B.Sc. IN COMPUTER SCIENCE AND ENGINEERING

Level 4 - Term 2 (Running)

Feb. 2020 - Present

Notre Dame College

HIGHER SECONDARY SCHOOL CERTIFICATE

Result: 5.00 GPA

Jul 2017 - Jun 2019

Skills

Programming Language C, C++, Java, Python, JavaScript

Frameworks & Libraries Django, DjangoREST, ReactJS, NextJS, VueJS, OpenGL, JavaFX

DataBase Oracle, PostgreSQL, MySQL, Django ORM

Tools & Software Git/Github, Bash, Cisco Packet Tracer, NS-3, Bison, Flex

Projects

StayNest 🔄

Next.js • Django REST • Supabase •

PostgreSQL • MapTiler • Tailwind

DEVELOPED A FULL-STACK PROPERTY RENTAL PLATFORM WITH FEATURES INCLUDING INTERACTIVE MAP INTEGRATION, MULTI-STEP PROPERTY REGISTRATION, REAL-TIME AVAILABILITY TRACKING, AND PAYMENT PROCESSING. IMPLEMENTED MICROSERVICES FOR SCALABLE BOOKING MANAGEMENT AND PRICE NEGOTIATIONS.

2024

- Engineered role-based access control with JWT authentication and Supabase integration
- Integrated MapTiler SDK for location-based property search with interactive map visualization
- Designed dynamic pricing system with meal package customization and real-time price calculations

Bangla Image Caption Generator 🔄

TensorFlow • Keras • OpenCV •

VGG16 • LSTM

DEVELOPED A MACHINE LEARNING MODEL FOR GENERATING BANGLA IMAGE CAPTIONS USING CNN-LSTM ARCHITECTURE AND ATTENTION MECHANISMS. CREATED AND PREPROCESSED CUSTOM DATASET WITH 10K+ IMAGE-CAPTION PAIRS.

Ongoing

- Achieved 0.75+ BLEU score through implementation of beam search decoding and attention mechanism
- Built efficient image preprocessing pipeline using OpenCV and VGG16 for feature extraction
- Implemented custom data augmentation techniques to enhance model generalization

Mini C Compiler 🔄

C++ • Flex • Bison • 8086 Assembly

BUILT A COMPILER FOR C SUBSET FEATURING LEXICAL ANALYSIS, PARSING, AND ASSEMBLY CODE GENERATION. IMPLEMENTED COMPREHENSIVE SYMBOL TABLE WITH TYPE CHECKING AND SCOPE MANAGEMENT.

2023

Railway E-Ticket System 🔄

Oracle • Django • PL/SQL • Python

DESIGNED AND IMPLEMENTED A RAILWAY TICKET RESERVATION SYSTEM WITH DATABASE ARCHITECTURE FOR HANDLING CONCURRENT BOOKINGS AND REAL-TIME SEAT MANAGEMENT.

2022

- Built transaction management system with automated timeout and rollback mechanisms
- Implemented complex SQL queries for route-based fare calculation and seat allocation

Football Transfer Market 🔄

Java • JavaFX • Socket
Programming • Multi-threading

CREATED A REAL-TIME FOOTBALL TRANSFER MARKET PLATFORM USING MULTI-THREADED ARCHITECTURE FOR CONCURRENT CLUB OPERATIONS AND PLAYER TRADING.

2021

- Implemented concurrent socket connections for real-time player trading between clubs
- Designed thread-safe data structures for managing market state and transactions

Certifications

Machine Learning Specialization

Coursera

DEEPLARNING.AI & STANFORD ONLINE, INSTRUCTOR: ANDREW NG

2024

Certificate 