



MASHNUNUL HUQ

EDUCATION

Master of Engineering, Information Technology

10/2021 – 10/2025 (Expected) – Current CGPA 2.23

Frankfurt University of Applied Sciences | Frankfurt, Germany

- Web-Authentication Server building for multiple JWT and OAuth2 API connected servers with bolstered CSRF cookie securing mechanism and CORS mechanism. [\[Link\]](#)
- Tuned hyper parameter of MobileNetv2 transfer learning for time series signal converted to Image through FFT and PSD and reduced future signal processing time by 50% for Human presence detection. [\[Link\]](#)
- Implemented FFMPEG and EMGUCV for video slicing and image framing, training Neo Cortex API in Azure Cloud and Blob Storage using C# .Net 5 achieving 95% accuracy in frame prediction. [\[Link\]](#)

Bachelor of Science, Electrical and Electronic Engineering

10/2013 – 12/2017 (Regular 4 years course)

Ahsanullah University of Science and Technology | Bangladesh

- Made an Android APP for Mathematical calculation for Self-Phase Modulation Analysis of RF Carrier Modulated Optical Fiber with 90% Accuracy.
- Obtained CGPA 3.42 which is German equivalent 1.9

PROFESSIONAL EXPERIENCE

Student Assistant under Prof. Andreas Pech

06/2022 -Present

Frankfurt University of Applied Sciences | Frankfurt, Germany

- Real Time Data visualization Desktop APP using PyQt6. [\[Link\]](#)
- Implementation of Embedded C code for collecting ultrasonic sensor data in updated Redpitaya Embedded System OS for autonomous driving.
- I2C sensor coding in C programming for SONAR ADC data acquisition.
- Implemented Kalman filter theory for calculating Robot's position, velocity and acceleration in MatLAB.

UX-Specialist and DATA Analyst

06/2019 – 06/2020

Adiva Graphics | Dhaka, Bangladesh

- Automatically generated pipeline of meaningful charts of clinical trial data for medication administration, reducing reporting time by 40%.

DevOPS and System Admin Engineer

07/2018 – 05/2019

Dulal Brothers Limited | Kashimpur, Bangladesh

- Automation of a dye mixing system with C++ and MySQL to reduce production time by 30%.

PERSONAL DETAILS

Date of Birth: 29/07/1995

Address: Ben-Gurion-Ring 50, 60437, Frankfurt am Main, Germany

Master's Degree Student

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LinkedIn: [Mashnunul-Huq](#)

GitHub Repo: <https://github.com/javedcoding>

LANGUAGE

Bengali: Mother Tongue

English: (C1)

Deutsch: (B2)

IT-SKILLS

Programming Language:

JavaScript, Python, C++, Embedded C, C#

Front-End Libraries:

Vue.js, Bootstrap, React, Angular.

Back-End Libraries:

Node.js, Django, Flask, Pandas, PyQt6, OpenCV, EmguCV, Keras, Matplotlib.

Database Adminstration:

MySQL, PostgreSQL, MongoDB, SQLite.

Tools:

Git, Docker, Microsoft Azure Cloud, Deep Learning, Generative AI.

Visualization:

Tableau, Microsoft excel, Microsoft PowerPoint.

Embedded Systems:

Redpitaya, Raspberry pi 4, Jetson nano

CERTIFICATES

[Microsoft Certified: Azure Data Scientist Associate](#) (04/2024)

[Microsoft Certified: Azure AI Fundamentals](#) (01/2024)

[SQL-MySQL for Data Analytics and Business Intelligence](#) (12/2023), Udemy

[Deep Learning Specialization](#) (08/2023), Deeplearning.ai

[Robotics and ROS](#) (04/2023), Udemy

[Generative AI with Large Language Models](#) (06/2024), Coursera

[Django 3 – Full Stack Websites with Python Web Development](#) (07/2021), Udemy