

KAZI ANIK ISLAM

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Portfolio

AnikKazi-dev

in LinkedIn

EDUCATION

Friedrich-Alexander-Universität Erlangen-Nürnberg

M.Sc. in Artificial Intelligence

April 2024 – September 2026

Erlangen, Germany

North South University

*B.Sc.in Computer Science and Engineering - **Grade - 1.3***

September 2016 – May 2021

Dhaka, Bangladesh

TECHNICAL / PROGRAMMING SKILLS

- Unity Engine
- Flutter
- Docker
- Power BI
- Python
- AR/VR
- Framework
- Microsoft Access,
- C#, C/C++
- TensorFlow
- Gitlab
- Excel
- Dart

PROJECTS

72-Hour Renewable Energy Percentage Predictions | (Python, TensorFlow, CodeCarbon) **Sep 2025**

- Developed 41 forecasting models (deep learning and hybrids) to predict 72-hour renewable electricity share for European countries.
- Integrated CodeCarbon to measure and track carbon emissions during model training and inference.
- Created reproducible prediction scripts generating JSON outputs and visualization plots.
- Built benchmarking utilities to aggregate performance metrics and emissions into comprehensive reports.

Hemapta - Blood Transfusion Safety App | (Flutter, Google ML Kit, SQLite)

Sep 2025

- Collaborated with Uniklinikum Erlangen to develop a mobile app preventing fatal blood transfusion errors.
- Implemented barcode scanning, OCR, and patient-data matching using Google ML Kit for real-time verification.
- Built GDPR-compliant local processing system with SQLite database and PDF/CSV/HL7 report generation.
- Designed cross-platform solution using Flutter with Provider state management and camera integration.

Liberation War Hero Museum (VR, Android) | (Unity Engine, C#, Google VR SDK) **June 2020**

- Developed an Android VR app showcasing the 1971 Bangladesh Liberation War heroes.
- Created interactive photo exhibitions with written and video biographies.
- Designed an immersive virtual museum for educational exploration.
- Delivered an engaging experience that highlights historical war heroes.

Climate Confluence (Data Analysis Project) | (Python, Jayvee, Power BI)

June 2024

- Built an ETL pipeline to process CO2 emissions and temperature datasets.
- Analyzed trends showing a moderate correlation between CO2 emissions and rising temperatures.
- Visualized data using Python libraries (matplotlib, seaborn) to reveal insights into climate patterns.
- Demonstrated varying CO2-temperature correlations across countries using FacetGrid plots.

Other Projects (Github)

TRAINING / RESEARCH

Xfinity Technologies LTD (Training)

May 2020 – November 2020

Game Developer

Dhaka, Bangladesh

- Developed 2D and 3D games, enhancing gameplay and user experience.
- Created AR and VR applications, focusing on immersive environments.
- Designed and implemented 3D models using Blender for game and app projects. Worked with VR/AR hardware like Oculus.

- Contributed to interactive projects that combined innovative technology with creative design.

Deepfake Detection using CNN (Research)

February 2021 — April 2021

Researcher

Dhaka, Bangladesh

- This research addresses the threat of deepfake algorithms to video evidence. It introduces a resource-efficient approach using Haar Cascade for face detection and a custom CNN model, streamlining deepfake detection without extensive resource demands.

Hearth arrhythmia detection using CNN (Research)

October 2020 — Ongoing

Undergraduate Researcher

Dhaka, Bangladesh

- This research uses a deep neural network to detect heart arrhythmia from ECG papers. It proposes an efficient solution, employing an object detection algorithm and a 2D CNN model to automate the detection of individual heartbeats and classify arrhythmia.

EXTRACURRICULAR

Entrepreneurial Innovation Hub - Start-up Track Programm

Sep 2025 – Dec 2025

Participant

Erlangen, Germany

- Participated in workshops on team building, business model development, and pitching. Mentored by specialists to realize business ideas and gain insights into the start-up ecosystem.

Cybernouts 2016

Volunteer

Dhaka, Bangladesh

- Volunteered for Cybernouts, a national event organized by North South University's Computer and Engineering Club, encompassing programming, gaming, and robotics line follower contests

LANGUAGES

- English: C1
- Deutsch: A1

CERTIFICATIONS

- Unreal Engine 5 C++ Developer Learn C++ & Make Video Games (Udemy)
- Flutter & Dart - The Complete Guide (Udemy)
- The Complete Flutter Development Bootcamp with Dart (Udemy)