

Md. Main Oddin Chisty

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- Google Scholar • Github • Linkedin
- Personal Portfolio

RESEARCH INTERESTS

- Machine Learning, Deep Learning, HCI, Large Language Models, Cybersecurity, NLP, Neuromorphic Computing

EDUCATION

- **Khulna University of Engineering & Technology** Khulna, Bangladesh
Bachelor of Science - Computer Science and Engineering *February 2017 - May 2023*

RESEARCH EXPERIENCE

- **Khulna University of Engineering & Technology** March 2020 - February 2022
Thesis work with H. M. Abdul Fattah
 - Worked on classification of Alzheimer's Disease from MRI images using deep learning and image processing techniques.
 - Contributed to the research ideation by actively designing iterative approaches to experiment on the researched classification method.
 - Employed state-of-the-art deep learning algorithms to perform transfer learning tasks for the classification task.
 - Developed holistic approach for pre-processing 3D MRI images.
 - Implemented iterative approaches, ran the experiments, analyzed the results, and wrote the papers.
 - Actively participated in presenting both methodologies for two research conferences where our papers got published.

PUBLICATIONS

- **Automated Workplace in Transition: Trust, Job Security, and Collaboration with GenAI:** Submitted in Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI '26),
Submitted
- **Prompt Injection Detection Using Ensemble of BERT and LSTM with GloVe Embeddings:** Published in 2024 13th International Conference on Electrical and Computer Engineering (ICECE)
Authors: Md. Main Oddin Chisty; Abu Noman Md Sakib, Md Somir Khan, Md. Badiuzzaman Shuvo
Link: <https://ieeexplore.ieee.org/abstract/document/11024700>
- **Alzheimer's Disease Diagnosis from MRI images using ResNet-152 Neural Network Architecture:** Published in 2021 5th International Conference on Electrical Information and Communication Technology (EICT) (DOI: 10.1109/EICT54103.2021.9733507)
Authors: Projapoti Roy; Md. Main Oddin Chisty; H.M. Abdul Fattah
Link: <https://ieeexplore.ieee.org/abstract/document/9733507>

PROFESSIONAL EXPERIENCE

- **Brain Station 23 PLC** On-Site
Senior Software Engineer LI - (Full Time) *July 2025 - Current*
 - **Guardian Life:** Currently working on this project for an insurance company where I am developing iOS and android app using Flutter framework following clean architecture which are published in both app store and play store.
 - **Geeky Solutions Learnathon 3.0:** Opportunity to mentoring participants of this event in flutter app development.
- **Apsis Solutions Ltd.** On-Site
Associate Software Engineer - (Full Time) *November 2022 - August 2024*
 - **Mothers Smile:** This project consists of three separate apps for specific purposes providing automation of salesforce.
Tech Used: Riverpod, Firebase, Hive, MVC Architecture, Flutter, Dart

- **Prism:** A salesforce automation app for British American Tobacco Bangladesh
Tech Used: Riverpod, Firebase, MVC Architecture, Bluetooth printer, SQLite, Offline operation, Flutter, Dart
- **Wings:** Wings SFA or Wings is my first international project which is being developed for a company based on Cambodia.
Tech Used: Riverpod, Firebase, Hive, MVC Architecture, Flutter, Dart

The Umbrella Management Ltd.

On-Site

Research & Development Engineer - (Full Time)

February 2021 - September 2022

- **Umbrella Keeper:** A prototype of mobile app for android platform using flutter on which people can get real estate secondary solutions through the company

ACADEMIC PROJECTS

- **iDroid (iOS App):** E-commerce app for buying or selling phone parts specifically built for iPhone parts where user can see posts in tab and select a part he/she wishes to buy by contacting with the seller. Tech: Swift, Xcode
Project link: <https://github.com/chisty2996/iDroid>
- **KUET-Info (iOS App):** An app for the KUETians by which they can get some pretty hand informations like the bus schedule and teachers information. Tech: Swift, Xcode
Project link: <https://github.com/chisty2996/KUET-Info>

SKILLS SUMMARY

- **Languages:** Dart, Swift, Python, C++, SQL
- **DL/ML Libraries:** Scikit-learn, TensorFlow, Pandas, Keras, NLTK, NLPAUG, Pytorch, OpenCV
- **Data Visualization:** Matplotlib, Seaborn
- **Tools:** Android Studio, Postman, Xcode, Anaconda, GIT, MySQL, SQLite
- **State Management:** Riverpod, BLoC, Provider
- **Operating System:** Linux, Windows, MacOS
- **Version Control:** Git
- **Architecture:** MVC, MVVM, Clean

STANDARDIZED TEST SCORE

- **Graduate Record Examinations (GRE)** 303
Quant-157, Verbal-146, AWA-3.5 *October 2023*
- **International English Language Testing System (IELTS)** 7.5
Listening-7.5, Reading-7.5, Writing-7.0, Speaking-7.5 *August 2025*

HONORS AND AWARDS

- Honourable Mention Award Nomination at Notre Dame College, Dhaka for outstanding performance in both academic and extracurricular activities - January, 2016

CERTIFICATIONS

- **Convolutional Neural Network:** DeepLearning.AI, April 2020
- **Machine Learning Foundation-A Case Study Approach:** University of Washington-MOOC, April 2020
- **Neural Networks and Deep Learning:** DeepLearning.AI, April 2020

EXTRA-CURRICULAR ACTIVITIES

- **Special Group Interested in Programming Contest:** Member, 2017
- **KUET Debating Society:** Member, 2018
- **Notre Dame English Club:** Vice President, 2015

VOLUNTEER EXPERIENCE

- **3rd National English Carnival:** Organised national English carnival consisting of different competitions among 3000 students, Dhaka, Bangladesh, February 2016
- **2nd National English Carnival:** Co-ordination events of extempore speech, Olympiad, wall-magazine, Dhaka, Bangladesh, February 2015
- **1st International Nature Summit:** Volunteer the summit of different countries students, Dhaka, Bangladesh, December 2014