Md. Main Oddin Chisty

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Google Scholar • Github • Linkedin

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; CGPA: 3.03/4.00 — *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