Nazmul Takbir

Final Year Computer Science Undergraduate

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Education

Bangladesh University of Engineering and Technology   *Dhaka, Bangladesh*
BSc in Computer Science and Engineering   *April 2018 - Current*
- CGPA: 3.91
- Notable Courses: High Performance Database Systems, Machine Learning, Artifical Intelligence

Mastermind English Medium School   *Dhaka, Bangladesh*
A Level and O Level   *August 2006 - June 2017*
- Received Edexcel High Achievers Award in both A level and O level

Research Projects

Digitization of Bangla Handwritten Words using Deep Learning   *January 2023 - Current*
Supervised by Dr. Mohammad Saifur Rahman
- Improve the accuracy of digitization of Bangla handwritten text through incorporating attention-based mechanisms into traditional Convolutional Recurrent Neural Network based approaches

Leveraging Serverless Cloud Computing for Online Machine Learning   *May 2022-Current*
Supervised by Dr. Muhammad Abdullah Adnan
- Demonstrate how Serverless computing can be used to build a deployment platform for online machine learning on streaming data.

Fast Classification of Large Audio Files using Deep Learning   *December 2021 - October 2022*
Supervised by Dr. Muhammad Abdullah Adnan
- Investigated how different methods of clip sampling can be used to classify large audio files efficiently without sacrificing accuracy

Development Projects

BIIS++ 🎧 ▶   *2022*
University management system for streamlining academic and administrative processes.
- React | Nodejs | Javascript | PostgreSQL

Zarad 🎧 ▶   *2020*
E-commerce website for buyers and sellers: an attempt to replicate features available in Daraz.com
- Django | Python | Bootstrap

Smart Stick 🎧 ▶   *2021*
Microcontroller and android app based smart guidance stick for blind people
- AtMega32 | Android Studio | C++ | Java

Bus Radar 🎧 ▶   *2021*
An Android app for information on local buses such as routes, fares, and availability.
- Android Studio | Java

Skills

Languages	Python, C++, Javascript, Java, C, Bash		**Cloud & Deployment**	AWS, Kubernetes, Docker, Git
Web Dev	React, Nodejs, Django, Bootstrap		**Machine Learning**	Pytorch, Tensorflow, River
Database	PostgreSQL, Oracle		**Miscellaneous**	LaTeX, NS3, PacketTracer, Wireshark

Achievements

2022	**Grant,** RISE, BUET Student Research Grant for Undergrad Thesis
2020	**Hackathon,** 1st Runner Up, HackNSU Season 2
multiple	**Academic,** University Merit Scholarship
multiple	**Academic,** Dean's List Scholarship