Md. Nazmul Ahsan

130/3 Naba Garden, Baganbari, Madertak, Basabo, Dhaka – 1214
+8801758544095 | ahsan.shihab2@gmail.com | github.com/AhsanShihab

Education

B.Sc. in Materials and Metallurgical Engineering
Bangladesh University of Engineering and Technology (BUET), Dhaka.
Passing Year: 2019

Online Education & Certificates

- **Machine Learning Engineer Nanodegree, Udacity**
  Courses: Software Engineering Fundamentals, Machine Learning in Production, Machine Learning Case Studies, Build Your Own Machine Learning

- **Intel Edge AI for IoT developers Nanodegree, Udacity**
  Courses: Edge AI Fundamentals with OpenVINO, Choosing the Right Hardware, Optimization Techniques and Tools

- **Full Stack Web Development Specialization, Coursera**
  Courses: Front-End Web UI Frameworks and Tools: Bootstrap 4; Front-End Web Development with React; Multiplatform Mobile App Development with React Native; Server-side Development with NodeJS, Express and MongoDB.

- **Deep Learning Specialization, Coursera**
  Courses: Neural Networks and Deep Learning; Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization; Structuring Machine Learning Projects; Convolutional Neural Networks; Sequence Models.

- **DeepLearning.AI TensorFlow Developer Professional Certificate, Coursera**
  Courses: Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning; Convolutional Neural Networks in TensorFlow; Natural Language Processing in TensorFlow; Sequences, Time Series and Prediction.

- **TensorFlow: Data and Deployment Specialization, Coursera**
  Courses: Browser-based Models with TensorFlow.js, Device-based Models with TensorFlow Lite, Data Pipelines with TensorFlow Data Services, Advanced Deployment Scenarios with TensorFlow

Skills

- Python
- JavaScript
- C
- Pytorch
- Tensorflow
- Tensorflow.js
- MERN Stack
- Git and GitHub
- AWS and Azure

Personal Projects

- **NothyKhata**
  NothyKhata is a cloud based ERP software for small businesses. The front-end is being developed using React and the server-side is being developed using express.js. The app is hosted on heroku. The project is still under development.
  Project demo link: https://nothykhata.herokuapp.com (view on large screen)

- **Computer Pointer Controller**
  Computer Pointer Controller is a software for controlling the mouse pointer from the eye gazing direction of the user. The app uses the webcam or a pre-recorded video to capture the eye of the user and using computer vision models, detects the gazing direction. Then based on the direction, it moves the mouse pointer to the appropriate direction. The app is built using python and OpenVINO to utilize the intel hardware acceleration capabilities for faster inference of the computer vision models used.
  Project code link: https://github.com/AhsanShihab/computer-pointer-controller.git

- **Spotlight Image Extractor**
  Spotlight Image Extractor is a software for Windows 10 PC which helps the user to save the images downloaded by spotlight for Windows lock screen to a desired location. The project is developed using python.
  Project code link: https://github.com/AhsanShihab/SpotLight-Image-extraction.git
  Project demo link:
  https://drive.google.com/file/d/1xFJBCkZIC8oQb8XLPCX1k2m8cFZ6nR7t/view?usp=sharing

- **Space Impact**
  Space Impact is a 2D space shooter game I made as my very first project after learning Python. The idea of the game came from the famous nokia game 'space impact'.
  Project code link: https://github.com/AhsanShihab/Space-Impact.git