Little Rock, AR 72204
Open to Relocate

NAHIYAN BIN NOOR

Linkedin Github

(501) 539-3633
nbnoor@ualr.edu

EDUCATION

University of Arkansas at Little Rock — Little Rock, AR
M.Sc. in Electrical & Computer Engineering **GPA:** 3.7/4.00 — Fall 2021 -Spring 2023
Research Area: Machine Learning, Computer Vision, Data Science.

Chittagong University of Engineering & Technology — Chittagong, BD
B.Sc. in Electrical & Electronic Engineering **GPA:** 3.54/4.00 (WES) — 2015 - 2019
Bachelor Thesis Topic: Data Collection and Analysis, Computer Vision, Machine Learning

PROFESSIONAL EXPERIENCE

University of Arkansas at Little Rock — Little Rock, AR
Graduate Teaching Assistant — Fall 2021 - present

- Teaching as an Instructor, the MATLAB commands on Statistics, Machine Learning, Data Analysis, Neural Network, Audio Signal Processing, Image Processing, Time Series Analysis and GUI in Computational Engineering Lab: Introduction to MATLAB Programing.

Renata Limited, Bangladesh — November '20-July '20
Electrical Data Analyst

- Working as an Electrical Data Analyst, where the production data of different machines were manually recorded, Analyzed, and predicted future risk of machine breakdown.
- Maintained 30+ Junior Engineer to record the data from Production machines and HVAC System for further analysis and prediction.

PROJECTS

Traditional Bengali Food Classification using Different Deep Learning Model.

- Classified 7 type of food images using 6 different CNN Transfer Learning Methods and a CNN model from Scratch.
- Got highest 94% accuracy for VGG19 model. (**Python, TensorFlow, Keras**)

Investigating Netflix Movies and Guest Stars in "The Office"

- Analyzed whether the duration of the movies is decreasing over the year using the data from past years.
- Analyzed whether the guest star's appearance increases the view of the episode or not.

Blood Hemoglobin Level Prediction from Eye Conjunctiva images using Machine Learning

- Collected 104 eye images from patient manually with their blood hemoglobin level report from 4 different Medical Colleges in Bangladesh.
- Analyzed those features for scaling, screening outliers, analyze the pattern and then drop unnecessary features.
- Used some machine learning model using MATLAB to predict from the test data.

PUBLICATIONS

- Comparative Study Between Decision Tree, SVM and KNN to Predict Anaemic Condition.
- An Efficient Technique of Hemoglobin Level Screening Using Machine Learning Algorithms.
- Comparison of Performance and Cost of Wind and Solar Hybrid System for Saint-Martin Island Using Homer Software.

ONLINE COURSES, CERTIFICATION, SKILLS

- Machine Learning, Data Science and Deep Learning with Python – A course by Udemy.
- Getting Started with Deep Learning – A course by NVIDIA.
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning and Deep Learning. - Coursera
- Machine Learning – Coursera.

SKILLS

- Python, Java, SQL, ML Framework: TensorFlow, Keras, Pytorch, Pandas, Sci-kit Learn, Seaborn, NLTK,Git, NumPy, Matplotlib. Tableau, Hadoop, Apache Spark, Git, Google Cloud Platform, AWS, PyCharm, Kubernets, Jupyter Notebook
- Relevant Courses: Analysis of Algorithms, Artificial Intelligence, Database System & Info Arch., Operating System, Digital Image Processing, Signal Processing.