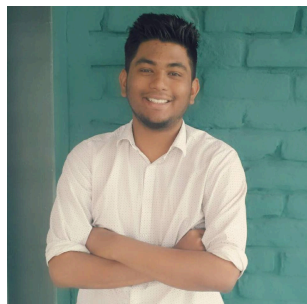# Curriculum Vitae of **Mahmudul Hasan**

Experience
Lecturer
(2018 - Present),
Khulna University of
Engineering &
Technology,
Khulna

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shauqi/

Languages
English, Bengali

Area of Interest
Machine Learning,
Deep Learning,
Natural Language
Processing,
Internet of Things,
Cloud Computing

Career Objective

Looking for a career to show the best of my professional ability, analytic skills and techniques to enhance my knowledge as well as contribute to my organization to the best of my potential.

Research

2019 — Hasan Mahmudul, Ishrak Islam, and KM Azharul Hasan. "Sentiment Analysis Using Out of Core Learning." 2019 International Conference on Electrical, Computer and Communication Engineering (ECCE). IEEE, 2019.
`https://ieeexplore.ieee.org/document/8679298`
`DOI:10.1109/ECACE.2019.8679298`

2019 — Journal: Hasan, Mahmudul, et al. "Attack and anomaly detection in IoT sensors in IoT sites using machine learning approaches." Internet of Things 7 (2019): 100059.
`https://www.sciencedirect.com/science/article/pii/S2542660519300241`
`https://doi.org/10.1016/j.iot.2019.100059`

2019 — Das Dola, Tabassum Nawshin, Hasan Mahmudul, M.M.A Hashem. "Deep Neural Network Based Continuous Blood Pressure Estimation with Data Mining Techniques." 2019 5th International Conference on Advances in Electrical Engineering (ICAEE 2019)
Accepted

2019 — Peer Reviewer of "Superimposed Rule-based Classification Algorithm in IoT using One-Class Conditional Anomaly Detection"
Proceedings of Engineering and Technology Innovation

2018 — B.Sc. Thesis: "A Study on Non-invasive Blood Glucose Measurement Techniques and Predictions"

Education

2014 - 2018 **B.Sc.** in Computer Science and Engineering — Khulna, Bangladesh
Cumulative GPA: 3.78 (Out of 4.00)
Class Position: 3rd
Khulna University of Engineering & Technology

2012 - 2013 **H.S.C.** in Science — Dhaka, Bangladesh
Cumulative GPA: 5.0 (Out of 5.0)
B.A.F Shaheen College, Dhaka

2003 - 2011 **S.S.C.** in Science — Dhaka, Bangladesh
Cumulative GPA: 5.0 (Out of 5.0)
B.A.F Shaheen School, Dhaka

Academic Projects

2019 — Attack-and-Anomaly-Detection-in-IoT-Sensors-in-IoT-Sites-Using-Machine-Learning-Approaches
In this project, performances of several machine learning models have been compared to predict attacks and anomalies on the IoT systems accurately.
`https://github.com/Shauqi/Attack-and-Anomaly-Detection-in-IoT-Sensors`
`-in-IoT-Sites-Using-Machine-Learning-Approaches`

2017 — OpenGL Computer Graphics Project
Simple 3d objects creating and rendering
`https://github.com/Shauqi/Computer-Vision-Lab`

2017	**Opinion Mining on Bangla Datasets**
	In this project i implemented nltk and sklearn of python to mine opinion from bangla language
	`https://github.com/Shauqi/Opinion_Mining`
2017	**Machine Learning Algorithms and Optimization Techniques with Python**
	In this project i implemented different estimators of Machine Learning and Bio-Inspired Optimization Techniques with python
	`https://github.com/Shauqi/Machine-Learning-Lab`
2017	**Modeling and Simulation with Python**
	The project is about different simulation like Monte-Carlo Simulation, Banking Simulation and Random number generation and Hypothesis Testing
	`https://github.com/Shauqi/Modelling_And_Simulation`
2017	**One Address Code Generator With Flex and Bison**
	The project converts three address code to one address code
	`https://github.com/Shauqi/One_Adress_Code_Generator_With_Flex_and_Bison`
2016	**PhotoGalleryDatabase**
	This Project is simple oracle sql database project on PhotoGallery.
	`https://github.com/Shauqi/PhotoGalleryDatabase/blob/master/code/DatabaseProject.sql`
2016	**PicExBeta (Web Development)**
	This project is about the photography. The main concern was about the photographer. Ranking a photographer is usually a hard job. This website actually rank the photographer based on their uploaded photographs.
	`https://github.com/Shauqi/PicExBeta`
2015	**Info Tracker(Java Desktop software)**
	Simple Java Software which use RSS FEED to collect top 10 news from Different Websites.
	`https://github.com/Shauqi/InfoTracker`

Certifications

2016-2017	**Dean's Award**
2016-2016	**Huawei Innovation Camp**
2015-2015	**National Collegiate Programming Contest**
2017-2017	**Machine Learning (Online course by Stanford University)**
2017-2017	**Machine Learning Foundations:A Case Study Approach (Online Course Univesity of Washington)**
2018-2018	**Neural Networks and Deep Learning (Online Course by Deep Learning.ai)**
2018-2018	**Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization (Online Course by Deep Learning.ai)**
2018-2018	**Structuring Machine Learning Projects(Online Course by Deep Learning.ai)**
2018-2018	**Convolutional Neuaral Networks (Online Course by Deep Learning.ai)**
2018-2018	**Sequence Models (Online Course by Deep Learning.ai)**
2018-2018	**Deep Learning Specialization (Online Course by Deep Learning.ai)**

2018-2018	**Fundamentals of Scalable Data Science (Online Course by IBM)**
2018-2018	**Advanced Machine Learning and Signal Processing (Online Course by IBM)**
2018-2018	**Applied AI with DeepLearning (Online Course by IBM)**
2018-2018	**Applied AI with DeepLearning (Online Course by IBM)**
2019-2019	**Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning (Online Course by Deep Learning.ai)**
2019-2019	**Convolutional Neural Networks in TensorFlow (Online Course by Deep Learning.ai)**
2019-2019	**Launching into Machine Learning (Online Course by Google Cloud)**
2019-2019	**Intro to Tensorflow (Online Course by Google Cloud)**
2019-2019	**How Google does Machine Learning (Online Course by Google Cloud)**
2019-2019	**Feature Engineering (Online Course by Google Cloud)**

Technical Skills

Language	**Python, Java, C, C++, Android Programming**
Data-Analysis	**Scikit-learn, NLTK, Tensorflow, Theano, Keras, Pytorch**
Data-Visualization	**Matplotlib, Seaborn, Bokeh, Dash**
Web Programming	**HTML, CSS, PHP, Ajax, Javascript, XML**
DBMS	**Oracle 10g, MySQL**
Version control	**Git**
Operating System	**Windows, Linux(1 year 6 months)**
Mobile APP	**Android**
Cloud Computing	**Dataprep, Dataflow, BigQuery, Apache Beam**

Contest Programming

UVA	**Handle: Shauqi** Solved: 150+
Codeforces	**Handle: Shauqi (Max Rate:1405)** Solved: 400+

Data Analysis

Kaggle **Handle: Shauqi**
Toxic Comment Classification (Max Pos:1421)

On-site Contests

UAP National Collegiate Programming Contest (NCPC)

IUT Fest 2017 Programming Contest

SUST CSE CARNIVAL 2015 (Programming Contest)

National Robotech Festival 2017 (Machine Learning)

Experiences and Voluntary Work

2018-Today **Lecturer at Khulna University of Engineering & Technology**

2018-2018 **Lecturer at Eastern University**

2017-2018 **Chairperson, IEEE Student Branch KUET**

2016-2016 **Software Developer Intern at IPvision Canada Inc**

2018 **Mentor, "Workshop on Python and Intro to Machine Learning" By IEEE SB KUET**
Khulna

2018 **Mentor, "Workshop on Basic Python" By Fablab KUET**
Dhaka

2017,2015 **Volunteer at 3rd International Conference on Electrical Information and Communication Technology (EICT)**
KUET, Khulna

2016 - 2017 **Volunteer at National High School Programing Contest-NHSPC**
KUET, Khulna

Reference

Professor **Dr. M. M. A. Hashem**
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Professor **Dr. K. M. Azharul Hasan**
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