Shamikh Hossain

GitHub : shamikh-mill; **Blog** : shamikh.tech; **LinkedIn** : shamikh

(469) 386-1378
ssh50@duke.edu

experience

Energy Data Analytics Lab, Duke University— *Research Fellow*

May 2017 - Present

Curated a supervised learning dataset to develop a deep-learning model for evaluating electricity access in developing regions from satellite imagery

Office of Information Technology, Duke Biology— *IT Consultant*

September 2016 - Present

Provide software and hardware support for research computing in the Biology dept. by researching technical issues, writing internal documentation, maintaining external wiki, automating installations

Duke Student Organization Finance, Durham, NC— *Auditor*

September 2016 - Present

Analyze consumption metrics of campus organizations to help school administration determine optimal allocation of resources

education

Duke University, Durham, NC - B.S, Computer Science, B.S, Economics

August 2016 - May 2020

projects

Biology IT Inventory - Web platform built on Django, PostgreSQL to track loaner equipment inventory and users for Biology IT helpdesk

HitChecker - Python/Tkinter program using Amazon Mechanical Turk API to allow a researcher to review crowdsourced image annotations from desktop

Duke Conservation Technology - Building livestock tracking system using DJI drones, a novel lightweight-tagging method, OpenCV and ROS

DAMUN Website - Created new conference website for Model UN school organization, website was awarded grant from UN Foundation of America

Web Tutorial Series - maintained YouTube channel of tutorials on computer software and graphic design, accumulated 185,000+ video views

skills

Software: Python, Java, Ruby

Data: NumPy, SciPy, pandas, scikit-learn, matplotlib, R, Matlab, Excel, Jupyter

Web: HTML/CSS/JavaScript, Rails, Django, Flask, Node.js

General: Git, Photoshop, Linux

Independent Coursework: Lynda: Django, Udacity: Machine Learning, Enthought: NumPy

other

University Dean's List
National AP Scholar
IB® Diploma Recipient
Burger King Scholar
YouTube Partner

interests

Web development, data science & machine learning, cryptocurrency, math, history