

Shamikh Hossain

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

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experience

Energy Analytics Lab, Duke University— *Research Fellow*

May 2017 - Present

Developing a deep-learning model to evaluate electricity access from satellite imagery, curating supervised learning dataset to train classifier

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

September 2016 - Present

Provide software and hardware support for research computing in the Biology dept. Research technical issues, write internal documentation, help maintain external wiki, automate 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 application built on Django, PostgreSQL to help keep track of loaner equipment inventory for IT helpdesk

Duke Conservation Technology — Building livestock tracking platform using 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, sk-learn, pandas, 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