

# Shamikh Hossain

GitHub: shamikh-mill; Blog: shamikh.tech

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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

Use CRM software to 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, scikit-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