shamikh hossain

{ email : shamikh.hossain@duke.edu, phone : 469-386-1378, blog : shamikh.tech, github : shamikh-mill }

education

Duke University   2016 - 2020
B.S, Computer Science
B.S, Economics

skills

Software: Python, Java, Ruby

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

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

General: Git, Photoshop, Linux, ServiceNow CRM

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

other

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

interests

Algorithms, data science, machine learning, web development, cryptocurrency, econometrics, ancient history, python, math

experience

Duke Energy Data Analytics Lab - Undergraduate Research Fellow
May 2017 - Present | Information Initiative at Duke | Durham, NC

• Investigating novel approaches to quantitatively evaluate electricity access in developing regions using deep-learning of aerial imagery as part of NSF-funded research. Trained, tuned and implemented convolutional neural networks to auto-detect power indicators, making open-source energy map

Duke Office of Information Technology - IT Consultant
August 2016 - Present | Duke Biology Dept. | Durham, NC

• Use ServiceNow® platform to provide wide range of software and hardware support for professors, staff and all research computing in Biology dept.
• Write Bash scripts to automate routine installations, research technical issues, write internal IT team documentation and maintain external wiki

Duke Student Organization Finance - Auditor
August 2016 – Present | Durham, NC

• Analyze consumption and performance metrics of campus organizations to help Duke administrators determine optimal usage of funding and resources
• Evaluate budget reports for Student Organization Finance Committee

Dallas Area Model United Nations - President & Tech Lead
May 2015 – May 2016 | Dallas, TX

• Supervised 20 member-team to organize Model UN conference for city high school students, managed ~$11,000 budget and all external communications
• Implemented merit-based delegate team selection, conducted workshops

projects

• **UAV Animal Tracking** - Developing new animal-tracking system using drones, computer vision libraries and a new lightweight-tagging method

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

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