SHAFIN MOHAMMED

Application Engineer

PROFILE

Former RF Engineer looking to undertake new challenges as a Python developer. 1-year experience in Django web framework and machine learning.

CONTACT

PHONE:
530-902-0579

PORTFOLIO:
shafinmohammed.github.io

EMAIL:
shafinmohammed@gmail.com

SKILLS

Coding Language:
- Python

Web Framework:
- django
- django REST Framework

Web Development:
- HTML
- CSS
- JavaScript: jQuery, React(beginner)

Databases:
- PostgreSQL
- SQLite

APIs:
- Stripe
- Google Map
- Mapbox

Web Applications:
- Github
- Heroku
- AWS S3
- Postman

EDUCATION

Undergraduate:
George Mason University, VA
September 2009 – May 2012
Electrical Engineering
GPA: 3.35

Graduate:
George Mason University, VA
January 2015 – May 2017
Telecommunications
GPA: 3.75

PORTFOLIO PROJECTS

<Hello World/>: A dummy eLearning website built with django, JavaScript, Bootstrap with various other tools to provide user experience as a student. Hosted with Heroku and AWS S3. Website GitHub

pybot n00b: Automated test performed on <Hello World/> project. Script written with Python unittest module and Selenium. The test results are formatted and emailed. Watch Demo GitHub

Word Count: Finding most frequent words from a dataset of commercial slogans using Python NLTK. Jupyter Notebook

COVID-19 Analysis: Data visualization and forecast on S. Korea COVID-19 dataset. Jupyter Notebook

Automobiles Data: Data imputation, cross-validation and determination of suitable ML algorithm. Jupyter Notebook

WORK EXPERIENCE

IDARE LLC, Dhaka, Bangladesh,
Application Engineer, March 2019–February 2020
A Houston based startup with a vision to develop a SaaS for the energy industry. An application that automates complex and time-consuming engineering designs to significantly reduce project completion time.
- Converted complex Mathcad calculations to analytics scripts using Python's scientific libraries (Scipy, Numpy) and data visualization libraries (Plotly, Cufflinks).
- Analytics served as API using django REST framework
- Created interactive UI to use the analytics

UDPlatforms, Dhaka, Bangladesh,
Junior Software Developer, September 2018-February 2019
Map Visualization Project: Developed a prototype for a web-based solution to visualize traffic data in USA. Built with django, PostgreSQL and Mapbox/Google Map API.
- Uploaded large csv file to database via django admin
- Queried and filtered data and sent them to Mapbox/Google Map API for visualization.