



SHAFIN MOHAMMED

Application Engineer

PROFILE

Former RF Engineer turned programmer with 1-year experience as a Python developer. Experience with developing both backend and front end of web applications

CONTACT

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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

George Mason University, Fairfax, VA

September 2009 – May 2012

Bachelor of Science: Electrical Engineering

GPA: 3.35 (Dean's list for Fall & Spring 2012)

George Mason University, Fairfax, VA

January 2015 – May 2017

Master of Science: 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: <https://shafin-elearning.herokuapp.com/>

GitHub: <https://github.com/shafin071/hello-world>

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

Demo: <https://youtu.be/aqrQ4hAe17Q>

GitHub: <https://github.com/shafin071/pybot.n00b>

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.

Moodle Admin:

- Served as admin for an interpreter certification website