MD SHAH IMRAN SHOVON

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• Full Stack Developer, HowardMiller, USA, • shah-imran.github.io • Dhaka, Bangladesh

EDUCATION

M.Sc. in Computer Science & Engineering - Intelligent Computing (Ongoing)
United International University, Dhaka, Bangladesh

B.Sc. in Electrical & Electronic Engineering   Graduated 2020
Shahjalal University of Science and Technology, Sylhet, Bangladesh

PROFESSIONAL EXPERIENCE

HowardMiller, Zeeland, USA: Sr. Full Stack Developer (Remote)   Oct 2020 – Present

- AI strategy development with Deep Learning for optimizing budget distribution in PPC campaigns (Tensorflow, Keras, Pandas, Scikit-Learn).
- Designed and developed an asynchronous microservice for inventory synchronization with third-party vendors and to support the internal supply chain systems ensuring clean coding style and idiomatic naming convention.
- Built Real-time inventory and order notification systems for vendors.
- Develop frontend to support backend services, inventory manipulation, and order tracking (Amazon, Overstock, Wayfair, Shopify, Logicbroker, Rush, Acenda, Salsify).
- Maintaining Legacy Systems and migrating old databases (AS 400) to Cloud-based solutions (AWS, GCP, Digital Ocean).
- Data Mining, Historical Sales and Shipping Pricing Data Analysis (Pandas, Matplotlib, Keras, Scipy).
- Tech Stacks: Flask, Django, Reactjs, Typescript, Celery, Redis, Postgres, MongoDB, Linux, Gunicorn, Apache, AWS, Jenkins, Kibana, Flower, Airflow, Git Flow, Jenkins, Hadoop.

Gmonster.co, Balatonalmádi, Hungary: Full Stack Developer & Project Lead (Remote)   Sep 2018 – Dec 2020

- Designing and developing Desktop PyQt5 application using MVC design pattern ensuring clean coding practices.
- Developed full-fledged email marketing tools with a subscription system from scratch.
- Developed a socks5-based proxy solution to run multiple email accounts from a single instance
- Pioneered and Maintained the automated testing and releasing of the application.
- Designed and developed a custom admin panel to manage users, roles, subscriptions, payments, affiliations and refunds.
- Tech Stacks: Python, PyQt5, Flask, Javascript, Jquery, Postgres, Nginx, Gunicorn, Supervisor, Linux Server.

EnableGeek, Dhaka, Bangladesh: Founder   Jun 2022 – Present

- Established EnableGeek, a technology and education-focused company, from the ground up.
- Responsible for overall strategic direction and business growth.
- Develop and execute content strategies to ensure engaging and informative educational material.
- Lead a dynamic development team, fostering a collaborative and innovative work environment.
- Oversee and actively participate in the design and development of the course website, ensuring a user-friendly and aesthetically pleasing interface.
- Manage multiple projects simultaneously, ensuring timely delivery and adherence to high-quality standards.
- Provide technical guidance and support to the development team, ensuring best practices in coding and project execution.

RESEARCH & PROJECTS

Software Projects   2016 – Present
- Tradeshow Lead Scanning Website (Django, DRF, React, Typescript, Postgres)
- Personal Trainer Website - Video (Flask, Javascript, JQuery, Mysql)
- Lead Mining Website (Flask, Javascript, JQuery, Celery, Postgres, MongoDB)

- Smart Class Updates
- **Scraping Application:** Craiglist Scraper, Linkedin Scraper
- **Automation Bot:** Mass Email Marketing App(MVC), Auto SMS Sending Bot, Copy Assister App
- **Desktop Application:** Pi Camera Booth Controller with Python, Workout Generator for GYM - Video

Machine Learning/Artificial Intelligence/Computer Vision Projects   2017 – Present
- Work in progress (for journal submission as first author): **"Analyzing the Consequences of High-Intensity Light Yolov5 and Strategies for Defending Against Adversarial Attacks"** GitHub
- Custom Object Detection and Tracking using Darknet (Darknet-yolo, Python) GitHub, Youtube
- Dataset Creation for Training Custom Yolo Model (Yolo, Linux Shell Scripting) Drive
- Auto Vehicle Entry Management for Apartment (OCR, Darknet-yolo, Python) GitHub
- Live Speed Detection of Vehicle (Darknet-yolo, Python) GitHub, Youtube
- Classification of Tweets from Twitter (Python, NLTK, Scikit-learn)

Academic Projects   2014 – 2020
Collaborated as a "Research Assistant" on three Official Projects supported by the UGC (University Grants Commission), leading the last two initiatives as Team Leader.
- **Developing An Autonomous Underwater Vehicle & Navigation System** (Arduino, Microcontroller)
- **Automatic Attendance Taking with RFID** (Python, Socket Programming, SQL)
- **Developing An UGV and a Human Assistant** (Python, Raspberry Pi, Socket Programming, Image Processing, Lidar)

TECHNICAL SKILLS
Programming Languages: Python, JavaScript, C++, C, Matlab, Processing, Arduino, Flutter, Dart, Assembly Language (8086)
Frameworks & Libraries: Django, Flask, FastApi, ReactJs, TensorFlow, Keras, PyTorch, YOLO, NumPy, SciPy, Pandas, Scrapy, Matplotlib, Seaborn, Bokeh
Databases: SQL, Postgresql , Firebase, MongoDB, Pickle
Environments: Virtualenv, Pipenv, Yarn, npm, Anaconda Environment, Jupyter Notebook ,
Interested In: Cloud, IoT, Artificial Intelligence,

TRAINING & EXTRA CURRICULAR ACTIVITIES
- Participated in 12 national Robotics competitions and been in leadership positions for most of them. Most of the competition was on Line Follower Robot, Maze and Grid Solver, Robo fights, etc. Also, I attended some Electronics Project fairs as well.
- Became 1st runner-up of Robomania, Esonance at IUT in 2015. It was a combination of Line following, Obstacle Avoidance, and a Remote Controlled Bot with hands to carry objects to designated places on challenging terrain.
- Top-Up IT training on Java conducted by Ernst & Young LLP, India under the LICT project, and the program is certified by George Washington University, USA.
- Completed AWS Cloud Practitioner training course in 2020. Topics consisted of Analytics, Compute and Serverless, Containers, Database, Network and Content Delivery, Storage and Management, Monitoring, and Governance.
- Experience in teaching Maths, Physics, and Chemistry to high school students.
- Organizing member at EEE Fest-2018. Organized robotics competition policy and challenges.

LINGUISTIC PROFICIENCY
- English (Fluent)
- Bengali (Native language)

REFERENCES
- **Name:** Showmik Singha
- **Position:** Assistant Professor
- **Department:** Department of Electrical & Electronic Engineering

- **Institution:** Shahjalal University of Science & Technology
- **Email:** showmiksingha-eee@sust.edu

- **Name:** Eric Greenberg
- **Position:** Director Of E-commerce
- **Department:** E-commerce
- **Institution:** Howard Miller, Zeeland
- **Email:** eric@hmrep.com