

Shahzeb Rizvi

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Education

City College of the City
University of New York

New York, NY

BACHELOR OF SCIENCE IN
COMPUTER SCIENCE

(December 2021)

Relevant Coursework:

Algorithms
Programming Paradigms
Software Engineering
Operating Systems
Secure Cloud Computing
Database Design
Web Security

Clubs and

Organizations:

Association for Computing
Machinery (ACM)
Women in Computer
Science (WiCS)
Ahlul-Bayt Student
Association (ABSA)

Key Skills

Proficiency:

C, C++, Java, Python, PHP,
Google Cloud, Django,
MySQL, Windows OS,
Linux/Unix, and Power
Shell Scripting
Splunk Power User
Jupyter Notebook/Kaggle

Exposure:

C#, HTML, JavaScript,
AngularJS, Machine
Learning
Docker

Soft Skills

Logical Thinking
Leadership
Collaboration
Adaptability
Time Management
Strategizing

Projects

Data Viz Hackathon - Best Visuals Winner • February 2020

- Cooperated with a team of 8 to make FDNY data publicly available online for the **first time in history** by scraping official tweets on Twitter from the FDNY which tweets alerts about current fires in NYC
- Cleaned and filtered the scraped data making it ready to be **cross-referenced** with an open database of **all addresses in NYC** by correlating the longitude and latitude using Pandas which was necessary for the **geocoding** of each FDNY incident to be displayed on a **visual map** using **kepler.gl**

TeamUp - Software Engineering Project • May 2020

- Led a team to develop a Web-App using **Django framework** which facilitates active teaming of people with similar interests and skillsets to forge groups for a certain do-good project
- Implemented many features including:
 - Homepage that provides a different GUI for different types of Users
 - User compliment and complaint system
 - Super User control center for handling user complaints and taking various actions such as sending emails, suspending users and deleting accounts from the database

PhotoNimbus - Cloud Photo Storage/Sharing App • October 2020

- Cooperated with a team of 3 to build a **production-ready** photo storage and sharing application on **Google Cloud** which is both **reliable** and **secure**
- Implemented the User Authentication, User Model, Login API, Registration API, hosted in multiple regions, proper testing, **CI/CD** pipeline, **CSRF** and **SSRF** protection, KMS protected DB, and Security Command Center

Book Genre Classifier - WiCS Machine Learning Hackathon • Mar 2020

- Collaborated with a team of 3 to develop a machine learning model using **TensorFlow** to classify the genre of a book and won third place
- Implemented a python script that counts the number of romance and horror words in each book to be used as the dataset

Large CSV File Uploader • September 2019

- Developed a PHP script to overcome the 2 MB import limit of the IPDVS **myPHP Database** which allows the team to be able to upload **CSV files** of greater than 150 MB
- Script was further optimized to upload **2,000,000+ rows of data** to the database in a reasonable amount of time.

Work Experience

Engineering Intern • NYC Department of Education IPDVS • July 2018 - Present

- Provide **remote support** of all IPDVS cameras and general network connectivity components to the SCA's deployment engineers, vendors, and integrators
- Performed **100+ assessments of IPDVS sites**, examining the server's hardware and software, MDF/IDF environment, camera installations and viewer configurations
- Developing multiple scripts that filter, sort, and output critical information as CSV files for all IPDVS schools and cameras using **PHP**, **MySQL**, and **PowerShell**.
- Automated the installation of **Windows Server 2016** by writing multiple **PowerShell** and **Batch** scripts which image the selected drive, set up **RAID**, preset settings for the windows configuration and install required IPDVS software such as **SQL Server 2016** and **LSA LSI Storage software**.

Electronic Technician • Self-Employed • Jun. 2013 - Present

- Troubleshoot** and **repair** electronics, phones, laptops and desktop PCs
- 50+ devices** successfully diagnosed and repaired
- Give an **accurate quote** on repair fees including the cost of parts
- Determine if the device is damaged beyond repair.

Certifications

Splunk Certified User

Microsoft Office Specialist

Security Engineering Intern • NYC Department of Education • *July 2019 – March 2020*

- Gained understanding of the Splunk infrastructure at an enterprise level.
- Performed administrative tasks to maintain and manage Splunk enterprise infrastructure.
- Developed security focused dashboards to facilitate the incident response team.