Shawn Munir DATA SCIENTIST

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**SUMMARY**

Detailed data engineer evolved from using predictive analytics for 8+ years to save businesses millions, to *building* predictive analytics in Python as I complete a data science bootcamp. Looking to unveil hidden insights and improve efficiency, imbuing excellence and exceeding expectations.

**SKILLS**

Python (Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, Statsmodels), SQL

Supervised & Unsupervised Machine Learning, Machine Learning, Deep Learning, Neural Networks, Natural Language Processing, Artificial Intelligence, Bayes, Hypothesis Testing, Classification & Regression Modeling (Linear & Logistic), PCA/Dimensionality Reduction, Time-Series Analysis, Parameter Tuning/Optimization, Cross-Validation

Predictive Analytics, Structured & Unstructured Data, Big Data, IoT, Smart Grid, Form Design, Data Wrangling, Feature Engineering

Program Management, Business Intelligence, Data Visualization, Presenting

**PROJECTS**

**Capstone 3: Coming Soon**

Description

Project Link: https://github.com/...

**Real Estate Opportunity Classifier Using Images Alone**

Devised a system to identify potentially profitable properties based solely on looking at their images. Uses deep learning and neural networks

Project Link: https://github.com/...

**Remote Monitoring of Chicago Underground Network – Downtown, O’Hare & Midway Airports, Evanston**

Managed reliability program for preventing catastrophic failures of major equipment to some of the largest customers by fielding alarms, dispatching personnel and creating a dashboard for the Operations Control Center

**Electrical Outage Cause Analysis**

Reviewed ‘forensics report’ form data filled by field personnel for downed electrical wires. Studied trends to understand why so many were occurring, and found cause and other developing issues and informed leadership which changed the budgeting

**Wind Turbine & Solar Panel Farm Remote Prognostic Monitoring / Predictive Analytics**

Piloted two SaaS’s to recommend one to leadership to prevent gearbox failure and prolong useful life of equipment

**EMPLOYMENT**

**ComEd (Exelon)**, Reliability & Smart Grid Engineering Departments, Chicago, IL. 2014 - 2021

* Thwarted outages using predictive maintenance tools to protect equipment and customers and save company millions
* Implemented and oversaw hundreds of smart streetlights connected to the mesh network of smart meters

**EDUCATION**

Stevens Institute of Science & Technology, **Master’s in Data Science**, ‘24

Springboard Data Science Bootcamp, **Advanced Machine Learning** Track, ‘23

Penn State University, Bachelor of Science: **Energy Engineering**, ‘14