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Profile

A results-oriented Data Scientist with a strong passion for mathematics, having 5 years of experience in designing and implementing data-driven solutions in both the finance and cybersecurity industries. Proven track record of success in portfolio analysis, anomaly detection and pattern recognition by leveraging a versatile skill set to generate actionable insights and drive business growth.

Skills

Language

- Python
- Java
- SQL
- R

Tools

- Scikit-Learn
- Tableau
- Hadoop
- GCP
- Power BI
- Excel
- AWS
- TensorFlow

Technical

- Statistical Analysis
- Predictive Modeling
- Data driven
- Malware Research
- Data Visualization
- Neural networks &
- Presentations
- Cyber Security
- Linear & Logistic
- Deep learning
- Back-end
- Data Mining
- Regression
- Development

Experience

Data Scientist / Home Plus (CBI Regulated), Dublin, Ireland

2019 – Present

- Developed an optimized home reversion quotation model's time complexity, achieving $O(1)$ performance with regression models
- Fostered strong relationships with stakeholders and investors by delivering a streamlined dashboard, effectively showcasing KPIs and ROIs, driving informed decision-making and enhancing overall communication
- Developed and integrated clustering models with third-party apps, improving risk writing efficiency by 50%
- Designed a user-friendly portfolio analyzer in Python, pricing 5,600+ non-performing loans that is deployed on AWS through anvil.works
- Streamlined business processes with Python scripts, enhancing functionality and data hygiene while also reducing memory consumption by 40%
- Collaborated with CRM team to create an instant indicative quote system, reducing customer call-back time by 4 hours

- Built a DBSCAN clustering model trained on cybersecurity telemetry data of more than million users that could group users with similar behavior thereby flagging any suspicious behavior.
- Collaborated in creating a comprehensive workbook on supervised and unsupervised machine learning algorithms and its applications in the cybersecurity field

Education

2018 - 2019

MSc in Big Data Analytics & Management / Griffith College Dublin - 83% PPA

2017 - 2018

Higher Diploma in Computer Science / Griffith College Dublin - 94% PPA

2012 - 2016

BSc in Electronics & Communication Engineering / St. Joseph's Institute of Technology - 6.53 CGPA

Accomplishments

- Designed content for training manuals for professionals on Machine Learning for K7 Academy.
- Certified Malware Researcher certified by K7 Academy.
- Achieved 80% in National Programme on Technology Enhanced Learning (NPTEL) examination on Python programming language.
- Designed a full-fledged dynamic website including customer support, for a restaurant in Dublin in less than 45 days.
- Attended and completed numerous courses on edX, Coursera, FutureLearn and Udemy on topics such as: Machine Learning – Andrew Ng, Artificial Intelligence – Ansaif Salleb, Introduction to Computational thinking and Data Science – John Guttag, iOS 9 and Swift 2 – Mark Price and many more.

Soft Skills

- Critical thinking
- Intellectual curiosity
- Active learning
- Problem solving
- Creative thinking
- Perceptiveness