Vedant Kulkarni

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TECHNICAL SKILLS

LANGUAGES: Python, SQL, Tableau, R, HTML, CSS, Scheme

TECHNOLOGIES: Seaborn, NumPy, Pandas, Scikit-learn, MySQL, OpenCV, Dlib, Matplotlib, MS Excel, Plotly, XGBoost, Bitbucket, Jira, SciPy, Git

SOFT SKILLS

Public Speaking
Awarded the 'Best Delegate Award' thrice and attended several Model United Nations Conferences for 4 years.

Teamwork
Member of the Student Council for 2 years and a part of Cricket and Football Junior Varsity teams for 4 years.

Adaptive Learner
Worked at several hackathons, learning new technologies within a short period of time to contribute to developing projects.

Creativity
Worked on the design and layout of multiple publications of the bi-monthly student magazines as the Student Editor.

AWARDS

Dean's Honours List
University of Waterloo

President's Scholarship of Distinction
University of Waterloo

Best Delegate MUN@DPSD '18
Delhi Private School, Dubai

EDUCATION

University of Waterloo   09/2019 - Current
Bachelors of Mathematics in Mathematical Finance and Statistics 2024
Current Average: 94.4% | Current GPA: 4.00 | Clubs: UW Data Science, Coffee N' Code, UW Cricket
Relevant Courses: Statistics and Probability, Linear Algebra, Financial Mathematics

EMPLOYMENT

Aviva Canada · *Actuarial Intern, Data Science and Analytics*   09/2020 - Current
Markham, ON
- Worked towards the transformation of **Commercial Insurance Pricing** with **large insurance data** by delivering models to the pricing team.
- Predicted the **loss cost** of buildings insurance through **Feature Engineering**, **Feature Selection** and grid searching of **XGBoost** and **Generalized Additive Model(GAM)** parameters and analyzing them.
- Produced a **data reconciliation** of total claim counts and incurred losses for both Building and Contents insurance using **Pandas**.
- Technologies used: Python, Excel, Pandas, Bitbucket, Git, Jira.

PROJECTS

Quantify - Risk and Insurance Case Competition   07/2020
- Developed a **case study**, using data from **financials** and **client information** to determine if a P&C insurance company should expand to a multiline insurance company.
- Reached the final round of the competition by conducting **Data Analysis** using **Python** and **Excel's Data Visualization** techniques to combine them into a presentation.

Kaggle: Student Test Score Analysis| Pandas, Scikit-learn, Seaborn, Numpy   04/2020
- Conducted **Data Analysis**, **Exploration** and **Feature Engineering**, using **Linear Regression**, to estimate the reading section scores depending on various factors.
- RMSE achieved: 8.93

Coro-nah| Darknet, OpenCV, Dlib, Python   03/2020
- Built the **world's first and only visual cough detector** by training custom datasets through the **open-source deep neural network**, **darknet**.
- Through **facial recognition**- with consent, the database provides the identified user's travel history and based on risk levels, alerts authorities to ensure checkups for extra protection.

Ardor| Google Cloud Vision, Python, Django   02/2020
- Developed a Web Application using **Django** and **Google Cloud's Vision API** which used **Sentiment Analysis** to give true feedback and suggestion to movies and songs by capturing emotions.
- Placed in the **Top 10** out of 500+ participants and 100+ teams at Hack the Valley, University of Toronto.

VOLUNTEERING

Emirates Environmental Group
Dubai, United Arab Emirates
- Actively participated in EEG's **neighborhood recycling campaign**, conducting **surveys** within the neighborhood to educate families on the importance of paper conservation.
- Raised awareness about living in harmony with nature by participating in the **'Earth Hour Walk 2018.'**