Vedant Kulkarni

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EDUCATION

University of Waterloo · 09/2019 - Current
Bachelors of Mathematics 2024
Current Average: 93.6% | Current GPA: 4.00
Clubs: UW Data Science Club| UW MathSoc | Coffee 'N Code | UW Cricket Club

PROJECTS

Coro-nah.
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.
02/2020
- Built 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.

Game theory and its Applications.
04/2018 - 04/2019
- Researched the core structure of game theory, applying its advantages and disadvantages to everyday life and people.
- Received a **perfect score** on the development and execution of this project by CBSE.

Financial Model of the Cooperatives in India.
04/2017 - 04/2018
- Conducted research on cooperatives in Indian economy, specifically developing a **case study** on Amul.
- In reference to the Amul study, conducted analysis of the **financial model** and the **elemental structure** of the cooperative.

VOLUNTEERING

Emirates Environmental Group.
08/2017 - 08/2018
- 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'**.

Dubai International Film Festival.
12/2017 - 12/2017
- Involved in the **smooth conduct of screenings** and the **welcoming of guests** on the red carpet, guiding them through a smooth experience of the event.
- Worked at over 4 different locations for 7 days to help screen **140 films** and **15 red carpet galas**.

SKILLS

LANGUAGES: Python, SQL, HTML, CSS, Racket.
TECHNOLOGIES: Seaborn, Matplotlib, NumPy, Pandas, MySQL, OpenCV, Dlib.

SOFT SKILLS

Public Speaking.
Achieved 3 awards 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.

Agile.
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*
04/2020
Awarded for achieving a cumulative average of greater than 87 percent.

President's Scholarship of Distinction - *University of Waterloo*
09/2019
Awarded to the students with an admission average of greater than 95 percent.

Best Delegate MUN@DPSD '18 - *Delhi Private School*, *Dubai*
12/2018
Awarded for showcasing excellent public speaking, debating and problem solving skills in a committee.

Wiz Kid - *Delhi Private School*, *Dubai*
05/2017
Awarded for outstanding performance in enrichment (higher proficiency) exams.

INTERESTS

Cricket.
Playing and watching the sport since the age of four with an aim to transform this interest as a career in Sports Analytics.

Politics.
In the words of Aristotle, I like to think of myself as a social creature with the power of speech and moral reasoning.

Machine Learning.
Heavily interested in the development of computer programs that can access and abstract data to learn for themselves.