

Vedant Kulkarni

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EDUCATION

University of Waterloo · 09/2019 - Current

Bachelors of Mathematics 2024

Dean's Honours List

Current Average: 93.6% | Current GPA: 4.0

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**.
- 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' organized by EEG.

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.

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.

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

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.

High Distinction - Australian Council for Education and Research.

04/2016

Awarded for excellent performance in educational and research based exams in English and Mathematics.

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.