

# Veer Sandhu

[project-veer.web.app](http://project-veer.web.app) | [github.com/Real-VeerSandhu](https://github.com/Real-VeerSandhu) | [linkedin.com/in/veer-sandhu](https://linkedin.com/in/veer-sandhu) | [sandhu.s.veer@gmail.com](mailto:sandhu.s.veer@gmail.com)

---

## TECHNICAL SKILLS

### Machine Learning & Data Science

- Python, Octave, Tensorflow, OpenCV, Keras, Scikit Learn, Pandas, Excel, Numpy, Matplotlib, Seaborn, Plotly

### Web App Development

- Typescript, JavaScript, Angular, Material-UI, Streamlit, Flask, Firebase, Heroku

---

## EXPERIENCE

### Data Science Intern

June 2021 – Sept 2021

#### *Science For All Audiences*

- Produced a data science project analyzing COVID-19 prevention measures in Canada and the United States ([Web Dashboard](#) & [Github](#))
- Developed extrapolation models in Python to predict future cases and death counts based on vaccinations and testing procedures
- Built a web dashboard using Streamlit and Heroku to host interactive charts and forecasting functions
- Published an analytical project report and presented insights to 50+ university students and professors
- Gained mentorship from statisticians at Yale University and the University of Toronto

---

## PROJECTS

### YoloV3 App (Computer Vision)

- Optimized an object detection neural network for web app deployment. Placed 1st in Inspirit AI's 2021 Project Fair ([App Demo](#) & [Github](#))

### CoreX ML App (Metric Forecasting)

- Engineered an ML platform for small businesses to forecast their financial data and SEO metrics. Placed 1<sup>st</sup> in Peddie Hacks 2021 ([App Demo](#) & [Github](#))

### Growify ML App (Automated Analytics)

- Developed an adaptive web app to optimize urban farming through growth forecasting and environment analysis. Placed 1<sup>st</sup> in Jam Hacks 2021 ([App Demo](#) & [Github](#))

### COVID-19 Information App (Algorithmic Distribution)

- Built a data driven platform for users to access live COVID-19 reports in dynamic visualizations and simulations. Placed 1<sup>st</sup> in the University of Toronto's 2021 Global Engineering Challenge ([App Demo](#) & [Github](#))

### Article AI (Natural Language Processing)

- Implemented an API to automatically summarize articles and web queries with extractive NLP. Pitched project in Hack The North 2021 ([App Demo](#) & [Github](#))

---

## EDUCATION

### Turner Fenton Secondary School

Sept 2019 – Present

#### *Brampton, Ontario*

- International Baccalaureate Diploma Program (IB DP) | Mathematics and Engineering Pathway
- 4.33 GPA (97% Average) | Leading AI & ML Club

---

## REFERENCES

Joseph Okeme ([joseph.okeme@yale.edu](mailto:joseph.okeme@yale.edu)), Internship Administrator (Yale Doctorate)

Jonathan H. Leape ([jleape@alum.mit.edu](mailto:jleape@alum.mit.edu)), Inspirit AI Project Mentor (MIT Engineer)