Veer Sandhu

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SOFTWARE 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)
- Developed an ML platform for small businesses to forecast their financial data and SEO metrics. Placed 1st in Peddie Hacks 2021 (App Demo & Github)

Growify ML App (Automated Analytics)
- Built adaptive algorithms to optimize urban farming through growth forecasting and environment analysis. Placed 1st in Jam Hacks 2021 (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 (IB) Program | Mathematics and Engineering Pathway
- 4.0 GPA (97% Average) | Leading AI & ML Club

REFERENCES

Joseph Okeme (joseph.okeme@yale.edu), Internship Administrator (Yale Doctorate)

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