Suraj Bansal

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GITHUB | LINKEDIN | MEDIUM

Education —

Bayview Secondary School   Richmond Hill, Ontario
International Baccalaureate Diploma   *September 2017 - Present*

- **Relevant Coursework -** Chemistry (HL), Economics (HL), English (HL), Biology (SL), Mathematics (SL), French (SL)
- **Academic Performance -** Honour Roll (2017 - Present). Junior year weighted average: 96%
- **Alternative Coursework and Certification -** Harvard CS50x (edX) , Stanford Machine Learning (Coursera)

Experience —

St. Michael's Research Centre   Toronto, Ontario
Keenan Research Summer Student   *June 2019 - July 2019*

- Volunteered with research combining virtual assistance and AI to create polypectomy simulations for gastrointestinal medical residents at University of Toronto
- Assisted with file coordination and conducted roleplay scenarios to stimulate hospital environment

Baylor Scott and White Health   Dallas, Texas
Summer Intern   *August 2019*

- Shadowed physicians working in fields of trauma, cardiovascular diseases and internal medicine
- Assisted physicians with rounds each day

The York Region Presidents' Council   York Region, Ontario
Prime Minister   *September 2018 - Present*

- Leads conceptualization and execution of monthly general assemblies and bi-yearly student outreach meetings attracting 350 students from 33 secondary schools across the York Region District School Board
- Grew event attendance by 1,200% and social media touchpoint interactions by 3200% over 2 years
- Created sponsorship materials, collecting total $3000 worth of donations

Projects —

Ryde- Autonomous Vehicles. Democratized | Learn More   *Github Repository*

- Currently developing open-source self-driving software
- Leverages bluetooth to interface OBD-II and LKAS data with a smartphone application

Polyp Detection | Learn More   *Github Repository*

- Leveraged convolutional neural networks with an accuracy rate of 93% (20% higher than industry)

Apple Stock Prediction | Learn More   *Github Repository*

- Used an LSTM Network to predict Apple Stock Prices with an accuracy rate of 98.3%

Sidewalk Labs Consulting Recommendation| Learn More   *November 2019 - February 2020*

- Created innovation plan to reduce household expenditures through shared economics and an end-to-end platform that monetizes personal assets (presented at Sidewalk Labs headquarters to C-level team)

Kidogo Consulting Recommendation| Learn More   *March 2020 - April 2020*

- Increased mamapreneur profits with community sensitization workshops, sack farming pilot programs, revamped the curriculum research and development process and expedited strategic partnership contracts

Skills Summary —

- **Programming Languages -** Python, HTML, CSS, Javascript, C/C++
- **Platforms and Technologies -** Tensorflow, NumPy, Pandas, Scikit-Learn, Git
- **Miscellaneous Skills -** Guitar, Cooking, Hockey, Writing