Toronto, ON

Tarun Subramanian

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SKILLS
Git Version Control; **Linux kernel, Bash**; Data Science, Machine Learning: **Pandas, Numpy, Matplotlib, TensorFlow, Pytorch**; Programming: **Python, Java, C++, JavaScript, SQL**; Web Development: **Flask, Node**.

EXPERIENCE
o **Web Developer** – PR Information Technologies: *Palani, TN, India*   *Jan 2021 – Present*
   - Consulted with board members, monitored performance, and delivered client orders.
   - Created logos, email newsletters, and websites using HTML, CSS, JavaScript and Flask framework.
   - Enabled small businesses and individuals establish and grow their online presence.

o **Managing Partner** – NTL Hotels Group: *Palani, TN, India*   *Jan 2021 – Present*
   - Consulted with board members, reviewed assets and liabilities, and monitored business performance.
   - Updated company website, managed advertising, and supervised daily operations.
   - Implemented COVID-19 protocols, organized vaccine drive and reopened for business after lockdown.

o **Warehouse Associate** – Sobeys Inc**:** *Mount Pearl, NL*   *Jun 2020 – Nov 2020*
   - Essential worker during the 2020 COVID-19 crisis, completed WHMIS, pallet-jack and forklift training.
   - Collaborated with teams, assembled orders for shipping and receiving.
   - Operated heavy machinery and enforced factory floor safety protocols.

o **Research Assistant** – Faculty of Education, Memorial University: *St. John's, NL*   *Jun 2018 – Aug 2020*
   - Prepared academic surveys for Dr. Dorothy Vaandering's research in the field of Restorative Justice.
   - Updated the Relationships First: Restorative Justice website using HTML CSS and Wix website builder.
   - Compiled and edited an academic research handbook: Relationships First Implementation Guide.

EDUCATION
o **Bachelor of Science** – Memorial University of Newfoundland: *St. John's, NL*   *Sept 2017 – Dec 2022 (Expected)*
   - Major: Computer Science

PROJECTS
o tarun010.pythonanywhere.com: *Aug 2021*
   - Responsive portfolio website; Flask framework; Blog app; GitHub and Formspree REST API.

o trading-bot-simulator: *Jul 2021*
   - Cryptocurrency paper-trading bot; Kraken REST API – Receives OHLC data and buys/sells.

o ML-Classification: *May 2021*
   - Group project; Data pre-processing; Hyper-parameter tuning; Model performance over dataset.

o quoridor: *Dec 2020*
   - Group project: Software Engineering course; Quoridor board game; Java; Unit testing.

o solidworks_projects: *May 2018*
   - Computer-Aided Design Engineering Graphics using Dassault SolidWorks.

o typing_speed_calculator: *Dec 2015*
   - Group project: High School; MS-DOS application; C++.

VOLUNTEERING EXPERIENCE
o COVID-19 Vaccination Drive – NTL Hotels Group: *Palani, India*   *Jul 2021*
   - Organized vaccination camps for employees with authorization from the Deputy Commissioner.
o Student Volunteer Bureau – Memorial University of Newfoundland: *St. John's, NL*   *Aug 2020*
   - Volunteer Incentive Program – **Bronze Level**.

INTERESTS AND ACHIEVEMENTS
o **Third Position**: Developer Bootcamp – Hack Frost NL *(Aug 2021)*.
o Investments in Exchange Traded Funds, day trading equities on National Stock Exchange of India. Used candlestick charts, fundamental and technical indicators to identify opportunities and trends.
o Multiple languages: **English, Russian, Hindi, Tamil**.
o Mixed Martial Arts: **Brazilian Jiu-Jitsu**, **Goju-Ryu Karate** - Brown Belt.
o **Artificial Intelligence**, **Machine Learning**, **Sentiment Analysis**, High Frequency and **Algorithmic Trading**, **Quantitative Finance**, Geopolitics, Keynesian Economics, **Blockchain,** Cryptocurrency, **Cybersecurity**.