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| Krutheeka Rajkumar  Toronto, On | +1-(647)-549-6432 | [krutheeka.rajkumar@gmail.com](mailto:krutheeka.rajkumar@gmail.com) | <https://www.linkedin.com/in/krutheeka-rajkumar/> | |
| Work Experience  **Database Modelling and Data Analytics Teaching Assistant** University of Toronto – [Jan 2019 – Present]   * Guided students through a series of exercises and homework on relational databases, JDBC systems, python and java programming, frontend development and data visualization techniques. * Received an 85% approval rating from students and was asked to rejoin the team the subsequent year.   **Web Developer and Tech Desk Assistant**  University of Toronto | Victoria University – [Sept 2018 – May 2020]   * Worked on transforming static webpages to responsive webpages. * Developed a python program to employ beautifulsoup to parse through archived articles and catalogue them. * Overall performance was rated “excellent” by supervisor during the year-end review.   **Co-founder and Software Engineer**  Tray Solutions Inc. | Hatchery Competition – [May 2019 – December 2019]   * Designed a web application using Django Framework, and deployed through EC2 instance on AWS. * App was built as part of a summer competition and the team placed 3rd with signing up over 10 business clients. | Education:  **University of Toronto**  Master of Engineering - Industrial Engineering with emphasis on Data Analytics  GPA: 3.94/4.0  **Colorado State University**  Bachelor of Science - Engineering science  Minor – Mathematics  GPA: 3.14/4.0  Technical Skills:  Python, Database systems, mySQL, Numpy, Scipy, TensorFlow, data mining, data cleaning, Django, Pandas, Matplotlib, Sci-kit learn, Javascript, linux systems, Arduino, Angular, PostgresSQL  Languages:  English (professional)  Tamil (native)  Hindi (conversational)  Leadership and volunteer work:  **Financial director [AMIGAS] | U of T**   * Maintained financial records for the academic year of 2019-2020 * Successfully accounted for all transactions and managed sponsorships awarded to the organization. |
| Projects:  **Machine Learning | Regression modeling**   * Running elasticNet and regularized regression models to predict salaries based on various features. * Was awarded an A+ for the project   **Machine Learning | Natural Language Processing**   * Conducted sentiment analysis using NLTK libraries to analyse reviews left by patrons on Trip advisor. * Tangible positive and negative qualities were derived from the reviews, and specific areas of strengths and improvement were identified. * Project was awarded an A+   **Investment portfolio strategy comparison**   * Seven investment strategies were simulated for a ten-asset portfolio to understand the best strategy and dissect the movement of the portfolio through different strategies * Project scored a 14.5/15 |