# SIDHANT VASHIST

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*Candidate* for **B.ASc**, Management Engineering, **University of Waterloo** – C. GPA 84%

## TECHNICAL SKILLS

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|---|---|
| **Development** | Python, Java, HTML, CSS, JavaScript, SQL, Swift |
| **Frameworks** | Pandas, Django, Flask, BeautifulSoup, Selenium, JQuery |
| **Business Development** | AWS, Power BI, Excel, JIRA, Git |
| **Database** | MongoDB, MySQL, SQLite, AWS RDS, AWS RedShift, NoSQL |
| **Excel** | VBA, Arrays, Index Match, Pivot Tables, and Power Query |

## WORK EXPERIENCE

**Operations Analyst** – RideCo                                            **May 2019 – Aug. 2019**
- Reconstructed complex SQL data warehouses, which decreased the runtime of existing KPI reports by 38%
- Increased the driver payment processes by 20% through automation of current process
- Developed a tool using RESTful APIs, and Python to analyze and assess potential business opportunities
- Created a Python tool to gather important KPIs surrounding the internal goals, saving 3 hours of weekly effort
- Designed KPI reports for clients and internal monitoring using Power BI and SQL
- Programmed multiple Python scripts to automate trivial tasks such as updating data warehouses and creating and sending daily KPI reports to stakeholders at scheduled time, saving 15+ hours of weekly effort

**Business Analyst** – RideCo                                            **Sep. 2018 – Dec. 2018**
- Developed a driver payment tool for Grab, reducing the runtime by 85%
- Investigated and analyzed bugs and drove the solution's implementation
- Analyzed existing programs using simulation tools, to find opportunities for optimization and growth
- Monitored programs to ensure the performance using KPIs such as ridership, and service satisfaction

**Project Control Officer** – Finastra                                            **Jan. 2018 – Apr. 2018**
- Developed a new ticket system to track clients related issues, saving $1.5M in potential costs
- Created a daily internal reporting tool with major KPIs using JavaScript, saving 2+ hours of daily efforts
- Designed a tool that helps delegate resources to projects using historical data
- Directed a team of 5 to develop and implement new security protocols in the server

**Project Manager** – Tech Data                                            **May 2017 – Aug. 2017**
- Doubled weekly output goals by implementing new processes for distribution of HP products to RBC
- Decreased idle time by 93% using time-study and data analysis to discover ineffective processes

## EXTRA-CURRICULARS

**Optimization Research Assistant** – University of Waterloo                                            **Jan. 2019 – Present**
- Creating and solving an optimization model for finding optimal bus stop location for a bus route

**Co-Founder/Head of Software** – Industry 4.0 Design Team                                            **Sep. 2016 – Feb. 2019**
- Led a team of 6 developers and designers to create the 2019 competition platform and static website

## PROJECTS

**mySchedule** – Swift                                            **Aug. 2019**
- Designed an app that allows me to schedule my day, keep track of my tasks to do and help schedule my tasks

**HomeSrvice** – Python, Django, SQL, HTML, CSS                                            **Dec. 2018**
- Created a bidding platform that allows businesses to bid on customer requested services to ensure lowest price