Sophia Joseph

Data Scientist

Surrey, British Columbia, Canada

(778)-319-0100
sophia.john05@hotmail.com
LinkedIn
GitHub
Portfolio

Skills

- Python, Java, HTML/CSS, SQL, R, PHP, Arduino, Flask, React, JavaScript.
- Microsoft Azure, Visual Studio Code, Excel, Eclipse, GitHub, Git, Docker, Tableau, Streamlit, Contentful, Asana.
- **Certifications:** Microsoft Azure Fundamentals (AZ-900), Microsoft Azure AI Fundamentals (AI-900), Microsoft Data Fundamentals (DP-900)

Experience

General Assembly, New York, USA | *Data Science Immersive Student*   *September 2023– December 2023*
- Enrolled as a dedicated student in the Data Science Immersive program which offers extensive exposure to various Python libraries, providing valuable real-world learning experiences, actively engaging in over 480 hours of comprehensive lessons, hands-on labs, quizzes, and project work.
- **Natural Language Processing Project:** Scraped fitness and nutrition subreddit posts using PRAW API and achieved 97% accuracy in distinguishing posts' origin through NLP and data modeling.
- **Alaskan Bush Pilot Project:** Collaborated with four data scientists to analyze crash factors among Alaskan Bush Pilots and extract valuable insights using NLP, GLM models, and data visualization.
- **Brain Tumor Classifier:** Developed a Convolutional Neural Network with 97% accuracy to classify four brain tumor types in a Streamlit app.

Statistics Canada, Ottawa, ON | *Data Analyst (Co-op)*   *September 2022– December 2022*
- Collaborated as a Data Analyst, working with a team to contribute to the organization's mission of providing Canadians with a deeper understanding of their country through the power of statistical analysis.
- Conducted in-depth research on population centers across Canada and executed data analysis and visualization using Excel, ensuring the accuracy and accessibility of vital statistical information.
- Played a key role in automation efforts by developing Python scripts to enhance company efficiency and reduce manual labor, resulting in improved operational productivity, data quality, and resource allocation.

The Prosperity Project, Toronto, ON | *Junior Full Stack Developer (Co-op)*   *May 2022 – August 2022*
- Played a pivotal role in website redevelopment for an organization dedicated to assisting women in overcoming the challenges of COVID-19 which involved creating new pages, modifying existing ones, and implementing new features to enhance user experience.
- Successfully resolved website bugs, contributing to a smoother and more efficient user experience, while enhancing the site's visual appeal.
- Improved website navigation by delivering an exceptional user experience, ensuring that users could seamlessly access the information and resources needed during the challenging times of the COVID-19 pandemic.

Cloverdale Robotics, Surrey, BC | *Robotics Lab Assistant (Co-op)*   *May 2021 – August 2021*
- Completed several Python projects for a robotics company focused on educating children and teenagers about robotics, coding, and AI.
- Conducted prototype testing and contributed to developing extensive lesson plans for future company use, expanding the organization's project portfolio for future implementation.
- Provided engaging instruction in Python and basic robotics to elementary and middle school students, significantly boosting student retention rates.

Education

Bachelor of Science – Computer Science with Cooperative Education   September *2018 –April 2023*
University of British Columbia, Kelowna, British Columbia