Sahiti Akella

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Education
Schulich School of Engineering, University of Calgary   Sep 2021 - Present
Bachelor of Science in Software Engineering

Technical Skills
- *Languages*: Python, Java, C/C++, TypeScript, PHP. HTML/CSS/Sass, SQL
- *Developer Tools*: Visual Studio Code, Eclipse, XCode, IDLE, Docker, Jupyter Notebook
- *Libraries*: NumPy, Matplotlib, Pandas, React, scikit-learn
- *Other*: Figma, GitHub, GitLab, Jira, Sourcetree. Canva, MS Excel, MS Word

Experience
University of Calgary | Web Services | Student Developer   *Jul 2022 – Sep 2022*
- Enhanced module/block features for the University of Calgary Drupal environment using Sass, JavaScript, PHP.
- Utilized GitLab and Jira to communicate between Web Services and Digital Experience teams.
- Assisted QA team in pre-release testing of key website features.
- Attended sprint planning and daily scrum meetings to communicate workflow with development and client services teams.

Tech Start UCalgary | Frontend Developer   *Sep 2021 – Present*
- Design, enhance, and implement features for the Tech Start UCalgary website, https://techstartucalgary.com/, using React, HTML, CSS, and TypeScript.
- Identify website performance and resolve bug issues.
- Use GitHub to cooperate with source code and communicate between project members.
- Work in cross functional teams using Agile methodologies to approach project responsibilities and teamwork.

Academic Projects
- *Art Museum Application* | Designed an SQL database that demonstrates relationships between art museum entities and wrote queries to perform various database operations. Developed a Python application that can be used for database maintenance, entry, and browsing.
- *Development of a Machine Learning Model* | Developed a model to predict a new instance of a scikit-learn dataset. Analyzed model accuracy using Matplotlib graphs and confusion matrices.
- *Data Visualization Program* | Designed and developed a terminal-based data analysis and visualization program in Python that collects various data sets from csv files using NumPy and Matplotlib.

Achievements
- Jason Lang Scholarship | Government of Alberta | 2022
- Engineering Leadership Certificate – Tier 1 | University of Calgary | 2022
- Diversity Champions in Engineering Award | University of Calgary | 2021
- Alexander Rutherford Scholarship | Government of Alberta | 2021
- Honors with Distinction | Sir Winston Churchill High School | 2019 – 2021

Extracurricular Activities
Relectric Car Team	User Interface Team Member	Oct 2022 – Present
Schulich Space Rover Team	Software Sub Team Member	Oct 2022 – Present
Junior Vice President Communications	TechStart UCalgary	May 2022 – Present
Engineering Leadership Program	University of Calgary	Sep 2021 – June 2022
Designer	Churchill Chronicle School Newspaper	Sep 2019 – Jun 2020
Volunteer	Alberta Health Services	Aug 2019 – Sep 2020
Royal Canadian Air Cadets Program – 540 Golden Hawks	Sep 2016 – Sep 2018