Disha Padia

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Professional Summary

Detail-oriented Computer Science undergraduate specializing in Data Science and software development. Experienced in backend engineering, data analytics, and visualization, with strong problem-solving and collaboration skills. Passionate about leveraging technology to deliver impactful solutions.

Technical Skills

Languages: Python, Java, C, C++, C#, Golang, SQL, HTML, CSS, JavaScript, R
Frameworks/Tools: Pandas, NumPy, PySpark, FastAPI, ReactJS, Jupyter Notebook, Git, Unity, OpenAI, GroqAPI
Platforms/Databases: MySQL, PostgreSQL, Power BI, SAS, Linux, Windows, MacOS, PgModeler
Other: Data Cleaning, Visualization, Agile Development, API Integration

Soft Skills

Problem-Solving, Time-Management, Adaptability, Teamwork, Attention to Detail, Communication, Critical Thinking, Interpersonal Skills, Flexibility

Work Experience

Analytics Intern – Wealth Management, Scotiabank   May 2025 – Aug 2025
Toronto, ON

- Developed SQL, Pandas, and PySpark queries to extract and process large-scale enterprise data.
- Refactored SAS pipelines into modular Python scripts, enhancing performance and maintainability.
- Collaborated with cross-functional teams to support data transformation and dashboard reporting.
- Built a Power BI dashboard to highlight analytical insights and process improvements.

Backend Developer, Ontario Tech Racing   May 2024 – Apr 2025
Oshawa, ON

- Co-led backend development of a CFD simulator interface, focusing on architecture and database design.
- Coordinated with frontend team for seamless UI-backend integration.
- Reported to Software Team Lead to ensure streamlined development following project guidelines.

Education

Ontario Tech University   Sept 2022 – Present
Honors B.Sc. in Computer Science, Data Science Specialization, Math Minor
Oshawa, ON

- Dean's List: Fall 2022, Winter 2023, Winter 2024
- **Relevant Courses:** Data Structures, Algorithms, Databases, Data Analysis, Computational Science, Software Design, AI, Info Visualization, Software QA, Big Data Analytics, HCI

Projects

Global Cybersecurity Threats Visualization   R, ggplot2, networkD3, rnaturalearth

- Analyzed global cyber attack dataset (2015-2024) visualizing trends in attack types, affected users, and financial losses.
- Created bar charts, choropleth maps, pie charts, boxplots, heatmaps, line plots, and an interactive Sankey diagram.
- Used geospatial and network visualization packages to deliver actionable insights on cybersecurity threats.

Global Education Trends Analysis   Python, Pandas, NumPy, Seaborn, Matplotlib

- Analyzed global education datasets to identify patterns in enrollment, literacy, and government spending.
- Visualized key education indicators to provide data-driven insights into worldwide education progress.

Volunteer Experience

Gayatri Pariwar – Western Ontario (GPWO)   2018 – Present

- Support community events and educational programs promoting personal growth and cultural engagement.

Mentor/Tutor, Big Brothers Big Sisters of Halton   Sept 2018 – June 2022
Milton, ON

- Provided homework support to students grades 1-8 through weekly sessions and on-call assistance.