Parth Patel

Brampton, Ontario, Canada parth.patel0774@gmail.com 6479942477 https://www.linkedin.com/in/parth-patel-051a5b245/

SUMMARY

Enthusiastic and adaptable Data Analytics student with a passion for technical creativity and a collaborative mindset. Seeking an Full-Time opportunity to engage with a dynamic community of developers in an Agile environment, contribute to the construction of innovative automation tools, and bridge the gap between business objectives, product strategies, and technical solutions. Eager to sharpen development skills, advocate for quality development, and foster a culture of teamwork while embracing diverse perspectives and putting the interests of the team first.

SKILLS

Python, SQL Server, MySQL, HTML5, AWS, IT Support Multitasking & Prioritization, Cyber Security, Time Management, , IT Ticketing Systems, Problem Solving and Analytical Skills, Agile Development, Systems Architecture, Detail-Oriented and Team-Oriented, Microsoft Office 365, Eclipse IDE Proactive and Organized, Excellent Communication Abilities.
Data Analysis, Statistics, Data Visualization, Quantitative Analysis, Machine Learning, TensorFlow, Keras, Pytorch, Scikit-learn, Apache Spark, CUDA, cuDNN, NVIDIA RAPIDS, TensorRT, NVIDIA Deep Learning SDK, LangChain Framework.

EXPERIENCE

Software Developer Intern

Bell Canada (Full-Time) **May 2024-August 2024, Toronto**

- Developed Python scripts leveraging the NetBox API, automating network configuration and monitoring tasks, which reduced manual workload by 40% and increased operational efficiency.
- Designed and implemented RPA workflows, resulting in a 30% reduction in process completion time and a significant decrease in manual errors, enhancing overall productivity.
- Created real-time dashboards using Python to consolidate critical data, cutting down navigation time by 50% and providing associates with immediate access to key information.
- Engineered and deployed APIs for internal tools, facilitating seamless integration across multiple systems and improving data synchronization, resulting in a more cohesive operational framework.
- Leveraged Microsoft Power Automate and Power Apps to build automated workflows and custom applications, decreasing manual.

Data Scientist

Sheridan College in Partnership with Oakville Public Library (Part-Time) **October2023-Present, Oakville**

- Partnered with the Oakville Public Library to integrate Generative AI into their Frequently Asked Questions (FAQ) system, leading to a 35% increase in response accuracy and a 25% improvement in user interaction responsiveness.
- Achieved a 30% reduction in model training time by employing advanced hyperparameter tuning and distributed computing techniques with TensorFlow and PyTorch.
- Increased bot response accuracy by 35% using RAG architecture, while implementing robust encryption and access control measures, ensuring enhanced data security and
- Received Sheridan's Generator Student Award for Innovation in Research for contributions to this project.

Peer Mentor Team Lead

Sheridan College (Part-Time) **April2023-Present, Oakville**

- Promoted from Peer Mentor to Team Lead after demonstrating strong leadership and mentoring capabilities, overseeing a team of 20 peer mentors and facilitating sessions for over 50 students weekly.
- Designed and led a comprehensive mentorship curriculum, improving student retention by 15%, reducing anxiety and depression by 10%, and boosting GPAs by 15%.
- Significantly increased the retention rates of freshmen by 15%, decreased student anxiety and depression scores by 10%, and increased student GPAs by 15%.
- Gathered and analyzed mentee progress data, contributing to program evaluation and preparing impactful reports and presentations for stakeholders.

EDUCATION

Honors Bachelor of Computer Science (Data-Analytics)

Sheridan College • Oakville • GPA 3.73 •Graduating 2025

Higher Secondary

Minor in Computer Science • Vatsalya International School • Borsad, India • 2019 – 2021

CERTIFICATIONS

AWS Cloud Practitioner Certificate

May 2023 – May 2026

Amazon Web Services

AWS Solution Architect Certificate

Amazon Web Services

- Currently preparing for the AWS Certified Solutions Architect - Associate certification.

NVIDIA-Certified Associate Generative AI LLMs

Nvidia

- Currently preparing for the NVIDIA-Certified Associate Generative AI LLMs.

PROJECTS

Covid-19 Data Visualization Tool

Sheridan College • September 2022 -January 2023

- Developed a Python program which helps to sort the COVID-19 in Statistical Data, in form of data manipulation and data representation (Bar Graph, Pie Chart, Line Chart etc.).
- Python program based on COVID-19 Statistics like Active cases, Death rate, Recovery ratio etc.
- Helps in generation of various graphs to analyze the current situation and work according to it.
- I initiated the project by collecting COVID-19 data from reliable sources such as government health agencies or global databases. To ensure data accuracy, I implemented data cleaning and preprocessing techniques, handling missing values and inconsistencies.
- The program's main objective was to help individuals, organizations, and policymakers make informed decisions in response to the pandemic. It provided a tool for monitoring trends, identifying hotspots, and assessing the effectiveness of various measures.

Comparing the performance of Decision tree and Neural Networks Machine Learning Algorithms in Detecting Breast-Cancer in medical imaging data

Sheridan College • January 2022 -September 2023

- Researched and executed a project comparing decision tree and neural network machine learning models for detecting breast cancer in medical imaging data.
- Collected and preprocessed medical imaging data using Weka platform.
- Developed and implemented decision tree and neural network models.
- Conducted 30 repeat experiments to evaluate model performance.
- Utilized statistical analysis to determine algorithm accuracy.
- Presented findings in a research paper and a concise three-minute video presentation.
- Outcome: Demonstrated superior performance of neural network for breast cancer detection.
- Strengthened skills in data analysis, experimental design, and scientific communication.