Kalash Tejendra Gajjar

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Data Engineer Intern

PERSONAL PROFILE

Enthusiastic and detail-oriented Software Engineering Technology – Artificial Intelligence student with a strong foundation in Python, SQL, and Big Data technologies. Passionate about data engineering, cloud computing, and financial systems. Seeking to leverage technical skills and problem-solving abilities in the TD Data Engineer Intern/Co-op role to contribute to data-driven solutions.

SUMMARY OF QUALIFICATIONS

- Skilled in Python, PySpark, SQL, and big data tools, with experience in data modelling, ETL/ELT processes, and cloud technologies (AWS, Azure).
- Successfully led and contribute to data engineering and AI-Driven projects, improving operational efficiency by up to 20%.
- Proficient with Jira and Git having strong knowledge of SDLC and Agile practices.
- Experienced in developing data pipelines, performing root-cause analysis, and developing machine learning models using Pandas, NumPy, and Scikit-learn.
- Excellent team collaboration, project management, and problem-solving abilities, with a passion for innovation and continuous learning.

EDUCATION

Software Engineering Technology – Artificial Intelligence
Centennial College, Toronto, Ontario, Canada.   Jan 2023 – Present

Developed expertise in programming and cloud technologies, including Python, C#, Java, SQL, AWS, and React.js, through hands-on projects and coursework. Strengthened problem-solving and communication skills, preparing me to deliver innovative, scalable solutions.

Relevant Courses Completed:
- Big Data Tools – Machine Learning
- Cloud Machine Learning
- NLP, Deep Learning, Supervised/Unsupervised Learning

Key Achievements:
- Maintained a high academic standing with a GPA reflecting consistent excellence in coursework and technical skills.

- Developed data-driven solutions including KSI dataset analysis and a student success predictor, demonstrating strong proficiency in data manipulation and machine learning.
- Designed and implemented efficient database solutions using SQL such as, Student Registration System, optimizing data retrieval and reporting processes.

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PROJECTS

- **KSI Dataset Prediction:** Developed a predictive model using several supervised learning algorithms to analyze and forecast outcomes based on the KSI road accident dataset.
- **Student Success Prediction:** Built a neural network-based model to predict student success by analyzing past GPA data, achieving high prediction accuracy.
- **UMIST Clustering Dataset:** Applied multiple unsupervised learning algorithms to cluster the UMIST dataset, extracting meaningful patterns from the data.
- **Hotel Room Reservation Website:** Designed and developed a dynamic hotel room reservation system using React.js, focusing on UI/UX design and user interaction.
- **Student Registration System:** Created a student registration system in Java, utilizing SQL and JDBC for database management and user registration functionalities.
- **Basic Portfolio Website:** Developed a responsive, personal portfolio website using express.js, showcasing my skills and projects with a minimalistic approach.

TECHNICAL SKILLS SUMMARY

Programming Languages: Python, Java, C#, React.js, SQL, Bash
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn
Machine Learning: Scikit-learn, TensorFlow, Keras
Database Management: MySQL, OracleSQL, SQLite, MongoDB
Big Data Technologies: Apache Spark, Docker
Cloud Platforms: AWS, Microsoft Azure
Version Control: Git, GitHub
Tools and Frameworks: Flask, Jupyter Notebooks, Google Colab
Other: Microsoft Office Suite (Excel, PowerPoint, Word)

PERSONAL INTERESTS / VOLUNTEER WORK

- **Travel and Cultural Exploration:** Passionate about exploring new cultures, which helps expand my creativity and adaptability in diverse environments.