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OBJECTIVE:

I am a passionate and dedicated Computer Engineering graduate, currently pursuing a postgraduate certificate in Applied AI Solutions Development at George Brown College. My academic and project experience spans across data science, machine learning, and cloud technologies, where I have worked on real-world problems involving predictive analytics, image classification, and intelligent systems.

HIGHLIGHTS OF QUALIFICATIONS:

- Proficient in Python, SQL, and Bash scripting for data analysis, cleaning and modeling
- Expertise in data visualization tools such as Tableau, Microsoft Excel and matplotlib for creating user-friendly dashboards and visual insights
- Skilled in data storytelling to present complex data insights in a clear and impactful manner
- Familiarity with cloud based solutions such as Azure virtual machines for data processing and pipeline management
- Collaborative and communicative, with experience mentoring peers and contributing to team projects
- Strong problem-solving abilities, with a demonstrated ability to identify trends and optimize processes through data analysis

TECHNICAL SKILLS:

- Programming: Python, SQL, Java, Bash
- Data Visualization: Tableau, Microsoft Excel, matplotlib
- Machine Learning: Model building, feature engineering, and evaluation
- Cloud Computing: Azure virtual machines

- Statistical Methods: Bayesian, hypothesis testing
- Tools: pandas, scikit-learn, numpy, TensorFlow, Jupyter Notebook
- Data Management: ETL processes, data modeling data warehousing
- Web Development: HTML, CSS, JavaScript

EDUCATION:

Applied A.I Solutions Development Program   **03/09/2024 - Current**
George Brown College - Toronto, Canada

Mushroom Classification Project: Developed a supervised machine learning pipeline to accurately classify mushrooms as edible or poisonous based on their physical characteristics.

- Preprocessing: Performed data cleaning, label encoding, one-hot encoding, and feature scaling.
- Exploratory Data Analysis: Visualized feature correlations and class distributions to guide feature selection.
- Modeling: Trained and compared multiple classifiers including Logistic Regression, Decision Tree, Random Forest, SVM, and SGD.
- Optimization: Used GridSearchCV for hyperparameter tuning to maximize model accuracy and reduce overfitting.
- Achieved high classification accuracy with Random Forest and SVM, demonstrating model robustness.

Exoplanet Detection Project: Developed a deep learning pipeline to analyze time-series flux data from the NASA Kepler space telescope, detecting exoplanet-hosting stars through periodic dimming patterns.

- Processed the Kepler Labeled Time-Series dataset from Kaggle, including data cleaning and normalization.
- Conducted exploratory analysis to uncover patterns in flux variations and guide model selection. Implemented and compared CNNs, LSTMs, and Autoencoders for classifying stellar light curves.
- Optimized models through hyperparameter tuning and regularization, achieving high-precision exoplanet detection.

Mental Health Analysis and Depression Prediction: Built deep learning models to predict depression risk based on mental health indicators from a dataset of students and professionals.

- Performed exploratory analysis to understand correlations between variables and guide model design.
- Implemented and compared LSTMs, CNNs, and MLPs to classify individuals at risk of depression.
- Optimized model performance through hyperparameter tuning and regularization, achieving high predictive accuracy.

Computer Engineering   **18/10/2021 – 27/06/2024**
Epoka University - Tirana, Albania

Full stack Airbnb Project: Led database structuring and relationship management for an Airbnb-like website, optimizing architecture through diagrams and seamless data communication. Collaborated with the Back-End team to integrate SQL and develop APIs, ensuring efficient data flow between components

CERTIFICATIONS:

- ***Python Programming (GDSC Workshop)*** – June 2023

PROFESSIONAL EXPERIENCE:

Cashier   **November 2024 – Current**
Shoppers Drug Mart, Toronto, Ontario
- Delivered exceptional customer service, ensuring accuracy while enhancing customer satisfaction
- Resolved customer complaints quickly by innovatively providing a solution
- Managed time effectively by balancing multiple tasks during peak hours
- Collaborated with team members to address customer inquiries

IT Assistant - Internship   **March 2024 – May 2024**
ABS SH.P.K, Tirana, Albania
- Assisted users with hardware and software troubleshooting
- Maintained and updated systems, ensuring regular software and security updates
- Documented system changes and created technical guides
- Collaborated with the IT team to resolve technical issues efficiently

VOLUNTEER EXPERIENCE:

Programming Club Memeber   **October 2022 – June 2023**
Epoka University, Tirana, Albania
- Collaborated on coding projects, enhancing team skills and problem-solving.
- Mentored members, helping improve their programming skills and stay updated on trends.
- Participated in meeting and workshops, developing leadership, teamwork and technical expertise.