Muhammad Fahad

Calgary, AB | +1 (587)-969-8544 | muhammad.fahad@ucalgary.ca | www.linkedin.com/in/mfahadagri

SKILLS SUMMARY

- **Data Analysis & Visualization** - Experienced in analyzing large and complex datasets using tools like Excel, Python, and Power BI to uncover patterns and generate actionable insights. Passionate about transforming data into clear, impactful stories through dashboards and visualizations in Power BI and Tableau, empowering stakeholders to make informed, data-driven decisions that drive tangible business improvements.
- **Communication and Teamwork** – Excels in conveying complex technical data as clear, actionable insights for non-technical audiences. Thrives in collaborative environments, working with cross-functional teams to achieve shared goals, deliver high-quality results, and foster a culture of mutual support and respect.
- **Technical** - Hands-on experience with a wide range of tools and technologies, including VB, VBA, Tableau, Power BI, R, Microsoft Office Suite (Project, Access, Excel, Word, PowerPoint, and Outlook), SQL, Python, Java, and RapidMiner, enabling effective problem-solving and project execution.

EDUCATION

Haskayne School of Business, University of Calgary ***September 2022 - Present***
Bachelor of Commerce, Business Analytics, Computer Science Minor, Co-op Calgary, Alberta

- Achievements: President for Indonesian Student Society (2024), Jr Executive for Actuarial and Data Science Society (2024), Digital Innovation Case Competition (2023)

Extra Certifications: SQL – MySQL for Data Analytics and Business Intelligence (Udemy, December 2023), CS50p – Introduction to Python (Harvard, August 2023), Google Analytics for Beginners (Google Analytics Academy, March 2023)

WORK & VOLUNTEER EXPERIENCE

Jr. Executive – Data Science **September 2024 – Present**
Actuarial and Data Science Society Calgary, Alberta

- Planned and executed 3+ data science workshops and networking events, engaging over 50 students and increasing participation in the club by 30%.
- Developed resources for students interested in actuarial science and data analytics, improving accessibility to learning materials by 40%.

President ***August 2024 – Present***
Indonesian Student Society (PERMIKA Calgary) Calgary, Alberta

- Elected as President based on a strong track record of leadership and commitment as Events Director, focused on expanding the club's reach and fostering a supportive Indonesian student community.
- Grew membership by 120% through engaging student events, cultural initiatives, and strategic outreach efforts.
- Increased club revenue by more than 200% through fundraising campaigns, sponsorships, and high-impact events, ensuring long-term financial sustainability.
- Supported the organization of "Indonesian Festival: Beyond Borders**"** under the direction of the main Indonesian organization, contributing to its success in attracting over 1,500 attendees and establishing it as the largest Indonesian festival in Canada. Played a key role in showcasing Indonesian culture through performances, food, and interactive experiences.

PROJECTS

Predictive Analysis on Jakarta's Pollution | JupyterLab, Python (pandas, NumPy, matplotlib, seaborn, sklearn) **January 2025**
Goal: Leverage data analysis and predictive modeling to identify key pollution contributors and explore potential data-driven solutions to mitigate Jakarta's air pollution. **On-Going Project.**

- Retrieved and cleaned a pollution dataset from Kaggle, addressing missing values, standardizing formats, and translating categorical variables into English for analysis.
- Conducted **Exploratory Data Analysis (EDA)** using visualizations like box plots to uncover trends, outliers, and distribution patterns.
- Trained and validated predictive models with a 70/30 train-test split, evaluating performance using confusion matrices and refining parameters for accuracy.

Calgary Crime Rate Predictive Analysis | Python, Microsoft Excel, RapidMiner **December 2024**

- Collected and cleaned crime data from Calgary's official website, simplifying it into a single metric due to limited data availability.
- Organized and exported the dataset to CSV, then used **RapidMiner** to explore trends and patterns through **Exploratory Data Analysis (EDA)**.
- Tested different predictive models and found **Decision Tree** and **k-Nearest Neighbors (kNN)** to be the most accurate, with the lowest RMSE.

Video Game Sales Visualization | Excel, Microsoft PowerBI **December 2024**

- Collected and cleaned crime data from Calgary's official website, consolidating crime counts into a single metric due to data limitations. Exported the dataset as a CSV for analysis in RapidMiner, ensuring consistency for reliable insights.
- Conducted **Exploratory Data Analysis (EDA)** to identify crime trends and patterns, refining the dataset for predictive modeling.
- Tested multiple machines learning models, selecting **Decision Tree** and **k-Nearest Neighbors (kNN)** for their high accuracy and low RMSE.

EXTRACURRICULAR ACTIVITIES

- Play in Calgary United Soccer Association (CUSA) leagues during my free time, enjoying the game while building teamwork, discipline, and a strong sense of community.