**Taskin Sarwat Khan**

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Residency Status – USA Permanent Resident (Green Card holder)

Providing data-driven, action-oriented solutions to challenging business problems.

Business-minded data scientist with a demonstrated ability to deliver valuable insights via data analytics and advanced data-driven methods. Relied on as a key advisor in driving global, multibillion-dollar growth; gains in customer loyalty; and record-setting profit improvements, who places value on innovation and quality, has demonstrated a strong commitment to excellence and to the continued personal and professional growth required to maintain high standards. Proven capacity to work collaboratively with colleagues, strong interpersonal and communication skills allow for productive working relationships and effective stakeholder engagement. Contributes to safe systems of work and quality management systems, drives team results.

**Skills**

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| * Data and Quantitative Analysis * Decision Analytics * Predictive Modelling * Data-Driven Personalization * Big Data Queries and Interpretation * Data Mining and Visualization Tools * Research, Reports and Forecasts Machine Learning Algorithms * Analysing raw data, drawing conclusions & developing recommendations | * SQL * SQL Database/Coding * Machine Learning, Regression and AI * Data Visualization * Tableau * Neural Networks and Deep Learning |

**Education**

University of London, United Kingdom- Law LLB (2011-2015)  
University of California, Berkeley (UC Berkeley Extension)- Data Analytics Bootcamp (2018)  
Erie Community College/Diablo Valley College- Biomedical Science( Associate of Science, A.S)(2015-2018)

**Project Work**

**Project Objectives**

* Obtained, read and analyzed various levels of data; well-developed research, conceptual and analytical skills allowed effective analysis to be undertaken and correct and meaningful conclusions provided. From data able to identify risks, potential applications, and impacts.
* Developed and maintained effective, robust and professional relationships; built productive working relationships across the entire Institution. Developed key external stakeholder relationships. Liaised with external clients and ensured compliance with confidentiality requirements.
* Communicated with confidence to key decision makers; was able to communicate value and demonstrated skills in the provision of expert authoritative advice and recommendations, gave professional and engaging presentations and produced well written technical reports.
* Strategic Planning- Developing models to observe daily, weekly operational performance. Extraction of Data from the management information system to the excel.
* Collaborated with various teams to achieve goals; cooperated with cross-functional teams to achieve performance improvement goals. Respected views of others shared knowledge and contributed ideas. Worked well with different working styles.

**Project-1**: Weather and Crime Project- Create a relationship between spatial-temporal data and crime statistics.  
Methodology-

* Raw data finding using Pandas, Numpy and Matplotlib
* Merge the crime and weather data by city
* Analyze weather climatology
* Create bins (hour, season, temperature, wind speed, cloud cover)
* Categorize Crimes by “Crime Against” - Personal, property, society, not a crime, other offense
* Analyzing the crimes in relation with weather, time, cloud cover, temperature and wind speed.
* Detailed analysis of the crime series of both the cities using matplotlib graphs (apply normalization).
* Visualize data using Matplotlib  
    
  **Project-2**: Energy Efficiency- Develop a Full Stack Data Science Project-
* Data Integration/Analytics/Visualization, Statistical Analytics, ML Concepts
* 2. Engage in a Project Focusing on New Technologies
* Energy & Environment
* 3. Target Smart Building Market
* Energy-Efficient AI (Control, Machine Learning, Distributed System)
* 4. Elaborate a Prototype for Mobile App
* New Startup Idea

**Key Contributions**: Effective and strategic approach towards the project. Focused on Front and back-end expertise.

**References**

Available on request