Nahid Mozhdehi

Data Scientist / Data Analyst

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**Results-driven Data Scientist with extensive experience in Oracle, SQL, Python, and Python libraries such as Pandas, NumPy, and Scikit-learn. Demonstrated expertise in transforming complex data into actionable insights, optimizing business processes, and enhancing decision-making capabilities. Strong analytical and critical thinking skills with a proven track record of providing training and support to business users, ensuring effective utilization of data science tools.**

**Summary**

* **Master of IT** from high ranked university with 8 years of experience in BI, database and data science.
* Skilled in developing data science models using Python libraries like Pandas, NumPy, Scikit-learn, NLP (**NLTK**, **SpaCy**), RL (**OpenAI** Gym), and DL (**TensorFlow**, **Keras**).
* Expert in SQL programming with extensive experience working with **SQL Server**, **Oracle,** PostgreSQL and MySQL.
* Proficient in Azure Machine Learning, Azure Databricks, and **Microsoft Fabric** for building, deploying, and managing ML models and data pipelines.
* Innovative, critical thinker and **creative problem solver.**
* Effective **communication** and **collaboration** skills.

# Selected Achievements

* Deployed **machine learning** models for detecting suspicious activities, improving prediction accuracy by 25% and enhancing decision-making.
* Developed a **chatbot** for a financial services company, automating customer interactions and inquiries, driving efficiency and reducing response time by 30%.
* **Optimized** long-running SQL query, reducing processing time from 12 minutes to 1 minute, enhancing efficiency and user experience.
* Developed **ETL** processes to automate manual tasks, driving efficiency and cost savings.
* Directed the **migration** of SSRS reports to Power BI, enhancing efficiency by 30% and increasing user satisfaction.

# Skills

Microsoft Fabric Pytorch NLTK Numpy TensorFlow

Scikit-learn Matplotlib Scikit-learn Power BI SQL

# Work Experience

**Data Scientist / CrowdDoing – Remote Aprill 2024 – Present**

* Conducted in-depth research on the impact of diet on mental health, analyzing how different foods influence mood, cognitive function, and overall mental well-being.
* Implemented data-driven studies to identify correlations between nutritional intake and mental health outcomes, providing actionable insights for dietary recommendations.
* Developed predictive models to assess the influence of various dietary patterns on mental health, aiding in the creation of personalized nutrition plans to improve psychological health.
* Analyzed the impact of medicinal foods on patient health outcomes using machine learning and GenAI, optimizing dietary recommendations and enhancing treatment efficacy by 25%.
* Created interactive dashboards with ML-driven insights to visualize the correlation between medicinal food intake and mental health improvements, aiding clinicians in making data-driven decisions, resulting in a 15% increase in treatment accuracy.
* Worked closely with healthcare providers to translate ML and DL data insights into actionable treatment plans, enhancing patient care.

**Data Scientist / Rapid Finance – Remote Nov 2022 – April 2024**

*Rapid Finance is a leading financial services company known for its innovative solutions and client-centric approach.*

* Utilized Python libraries (e.g., **Pandas**, **NumPy**, **Scikit-learn**, **TensorFlow**) for data cleaning, EDA, data preprocessing, data modeling.
* Developed and deployed machine learning models to detect suspicious activities in financial transactions, ensuring high accuracy in identifying potential fraud.
* Implemented anomaly detection algorithms to flag unusual patterns in transaction data, enhancing the organization's fraud prevention measures.
* Utilized advanced techniques in data preprocessing, feature engineering, and model evaluation to improve the robustness and reliability of the suspicious activity detection system.
* Developed and deployed a chatbot for a financial services company using Python and NLP libraries (e.g., **NLTK**, SpaCy). Enhanced customer service efficiency by 40% through automated responses to common inquiries and transaction processing.
* Developed, maintained, and optimized BI reports, dashboards, and analytics solutions for customer journey analysis, loan processing, and legal services using tools like **Power BI**, resulting in a 25% improvement in data visualization efficiency.
* Conduct **training sessions** for non-technical users, present Power BI reports, and provide ongoing support to ensure effective utilization of BI reporting tools.
* Implemented **ETL** workflows using **Azure Data Factory** to consolidate disparate case data from various legal databases and document management systems. This process standardized data formats and improved data quality, enhancing case analysis efficiency by 25%.
* Proficiency in database design, **T-SQL** programming, performance tuning, and index analysis, applied to design resilient database solutions and enhance query efficiency.
* Created features, user stories and tasks in **Azure DevOps** and planned sprints biweekly based on agile methodology.

**Data Analyst / Cendyn – Remote Mar 2022 – Nov 2022**

*Cendyn is a leading global hospitality cloud-based technology company that empowers hotels to drive revenue, maximize profitability, and foster deeper connections with guests through its integrated solutions.*

* **Collaborated** with team, business experts, stakeholders to gather their requirements translate the business logic to technical report and present prepared mockups, reports and dashboards.
* Developed a digital marketing dashboard in **Power BI** for a hotel chain, visualizing KPIs including campaign conversion rates, cost per acquisition, and social media engagement, which guided data-driven marketing strategies and enhanced campaign ROI by 30%.

**Business Intelligence Developer/ Shimadzu – Columbia, MD 2019 Jan- 2022 Jan**

**Data Analyst / United Nations Millennium Project – Washington D.C 2018 Aug – 2018 Dec**

# Education

**Springboard Data Science bootcamp April 2024 – August 2024**

**Master of Information Technology – Data Analytics 2020 - Present**

University of Maryland Global Campus

**Master of Information Technology in e-Commerce 2008**

Shiraz University

**Bachelor of Computer Engineering in Software Engineering 2000**

Azad University