

Nahid Mozhdehi

Data Scientist / ML Engineer

Rockville / Maryland – namojdehi@gmail.com – (240) 620-6490 – US Citizen – [LinkedIn](#) - [GitHub](#)

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

Scikit-learn	NumPy	Pandas	PyTorch	NLTK	SpyCy
TensorFlow	Keras	Matplotlib	PyPlot	Power BI	SQL
Microsoft Fabric	SageMaker				

Work Experience

Data Scientist / CrowdDoing – Remote

Feb 2024 – Present

- Conduct in-depth research on the impact of diet on mental health, analyzing how different foods influence mood, cognitive function, and overall mental well-being.
- Implement data-driven studies to identify correlations between nutritional intake and mental health outcomes, providing actionable insights for dietary recommendations.
- Develop 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.
- Analyze the impact of medicinal foods on patient health outcomes using machine learning and GenAI, optimizing dietary recommendations and enhancing treatment efficacy by 25%.
- Create 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.

- Work closely with healthcare providers to translate ML and DL data insights into actionable treatment plans, enhancing patient care.

Data Scientist / Cendyn – Remote

Mar 2022 – Nov 2022

- Developed machine learning models to optimize hotel pricing strategies, resulting in a 15% increase in revenue and improved occupancy rates across multiple properties.
- Implemented predictive analytics to forecast guest demand, reducing booking cancellations by 20% and enhancing overall guest experience.
- Integrated hospitality data into cloud-based solutions, improving decision-making accuracy for guest services and reducing operational inefficiencies.
- Collaborated with stakeholders to gather their requirements translate the business logic to technical report.
- Leveraged Python within Power BI to conduct advanced time-series forecasting of room occupancy rates, providing hotel management with actionable insights that optimized booking rates and increased revenue by 18% during peak seasons.
- Performed exploratory data analysis and hypothesis testing to uncover patterns and trends in supply chain data and created visualizations using Matplotlib and Seaborn to present insights to executives.
- Built a Python pipeline for large-scale data processing and model training, improving the accuracy of room occupancy and booking forecasts.

Data Analyst / Shimadzu – Columbia, MD

Jan 2019 - Jan 2022

- Implemented predictive analytics to forecast demand for vaccines and pharmaceuticals, reducing production downtime by 15% and ensuring better inventory management.
- Utilized advanced data analytics to streamline supply chain processes, optimizing COVID-19 test distribution and improving delivery times by 18%.
- Created interactive dashboards and reports using Power BI to track key performance metrics for vaccine distribution, providing real-time insights for stakeholders.
- Analyzed sales and market trends in the pharmaceutical industry, identifying opportunities for growth and helping to optimize marketing strategies, leading to a 12% increase in sales.
- Implemented machine learning algorithms to predict shipment delays, allowing for proactive adjustments and reducing late deliveries by 12%.

Data Analyst / United Nations Millennium Project – Washington D.C

Aug 2018 – Dec 2018

PROJECTS

- **Customer Churn in Telcom Company:** Implemented various machine learning algorithms, including logistic regression, decision trees, and random forests, to predict customer churn for a telecom company.
- **Amazon Fine Food Reviews:** Developed and implemented an NLP model to analyze Amazon Fine Food Reviews, focusing on detecting and predicting fake reviews.

EDUCATION

Data Science Certificate 2024

Springboard

Master of Information Technology in e-Commerce 2008

Shiraz University

Bachelor of Computer Engineering in Software Engineering 2000

Azad University