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Omid Ghamiloo

AI & Data Analytics Engineer

SUMMARY

A seasoned AI & Data Analytics Engineer with over 8 years of experience in leveraging advanced analytics, machine learning, and generative AI to drive innovation and data-driven decision-making. Proven expertise in designing and deploying end-to-end data analytics solutions, with a strong track record of enhancing business processes through the strategic application of AI technologies. Adept at communicating complex technical concepts to stakeholders and leading cross-functional teams in the development of cutting-edge AI products. Committed to continuous learning and staying at the forefront of AI and data analytics trends.

SKILLS

Hard Skills

Python , R , SQL , Machine Learning , Deep Learning , Generative AI , Cloud Services (GCP, AWS) , Data Visualization (Tableau, PowerBI) , MLOps , ETL Tools (Apache Beam, DBT, SSIS)

Soft Skills

Agile Methodologies , Stakeholder Communication , Analytical Thinking , Logical Reasoning , Problem-Solving , Team Leadership , Continuous Learning , Adaptability

EXPERIENCE

Data Scientist - ***Nexum-AI Consulting*** Nov 2022 to Present

• Automated and optimized data processing workflows using Apache Beam and GCP Dataflow, resulting in an 80% reduction in manual effort and improved data availability for stakeholders.

• Enhanced decision-making processes by developing over 30 interactive Tableau visualizations, leveraging PostgreSQL databases for advanced analytics.

• Led the development of multilingual HR and IT chatbots using Llama2 and Streamlit, hosted on Google Cloud Compute Engine, improving user engagement and support.

• Drove the adoption of VertexAI for predictive modeling and classification tasks, creating over 50 APIs for seamless model integration, showcasing proficiency in Python and cloud technologies.

Data Scientist - ***Dirac Nanotechnology*** Feb 2020 to Oct 2022

• Improved air pollution prediction accuracy by 20% through advanced time series modeling, influencing strategic environmental decisions.

• Directed the creation of high-resolution air pollution maps for 20 cities, providing localized insights that significantly enhanced public health initiatives.

• Optimized social media content strategy based on trend analysis, leading to a 25% increase in online engagement and a 15% growth in customer acquisition.

• Developed a predictive model for weather forecasting with an 85% accuracy rate, aiding in the precise planning of agricultural activities.

EDUCATION

Master in Data Science - *Sapienza University of Rome* Jan 2019 to Dec 2022

Conducted comprehensive research on the automatic extraction and integration of bibliographic data from Italian universities, employing web scraping and NLP techniques to analyze publications and present findings in interactive dashboards.

Bachelor in Information Technology - *Evanakey University* Sep 2010 to Sep 2014

Explored the impact of cloud computing in applications, laying the foundation for a career in data science and AI.

CERTIFICATES

Google Cloud Professional Machine Learning Engineer (Google Cloud) Dec 2023

Certified in designing, building, and productionizing machine learning models on Google Cloud Platform.

Google Cloud Professional Data Engineer (Google Cloud) May 2023

Certified in designing and managing data processing systems and machine learning models on Google Cloud Platform.

Amazon AWS Cloud Technical Essentials (Amazon AWS) Apr 2022

Gained comprehensive knowledge of AWS services, security, and architecture.

The Analytics Edge (EDX) Oct 2021

Mastered various analytics methods and their implementation in R, with a focus on data visualization and optimization.

PROJECTS

Chatbot Development

Engineered and deployed HR and IT chatbots with support for 5 languages, enhancing user engagement and streamlining support services.

Air Pollution Mapping

Directed a project to create high-resolution air pollution maps, providing actionable insights for environmental and public health strategies.

Weather Forecasting Model

Implemented a time series analysis model for weather prediction, achieving an 85% accuracy rate over a 30-day forecasting period.

Artwork Classification Model

Developed a Pytorch-based model for artwork image classification, improving the efficiency of artwork data categorization and retrieval.

Data Analytics Dashboard

Created a user-friendly dashboard using Streamlit for interactive data analysis and visualization, tailored to user input and requirements.