

Hossein Gol

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Sydney, NSW
Australian Permanent Residence

I am an experienced Data Scientist/Analyst with expertise across multiple industries, specializing in both on-premise and cloud technologies such as AWS, Azure, and GCP. I excel in designing and implementing solutions for the ingestion, processing, and analysis of large datasets. With experience in statistical analysis, I build predictive models to optimize business processes. My IT and Data Science education, combined with proficiency in Python, SQL, and visualization tools, equips me to address complex data challenges and drive impactful results.

Work Experience

■ LARKIN

Data Scientist

Larkin Company provides data science solutions and services to external businesses across various sectors in the U.S.

Jun 2023 to Present (Remote)

- Designed, trained, and validated predictive models (classification, regression, clustering) in Python using Scikit-learn, applying cross-validation and documenting assumptions for reproducibility.
- Built and maintained end-to-end ETL pipelines for structured data ingestion and transformation, optimizing AWS cloud storage and compute resources.
- Developed and deployed NLP pipelines (sentiment analysis, topic modeling, clustering) leveraging LLMs and ML frameworks.
- Implemented CI/CD and continuous training workflows for ML models, enabling automated testing, scheduled retraining, and production monitoring.
- Conducted EDA to support data-driven recommendations on audience targeting, channel mix optimization, and budget allocation.
- Analyzed multi-channel campaign performance and delivered insights on attribution and ROI.
- Built interactive dashboards in Power BI, Tableau, and Amazon QuickSight for executive stakeholders, visualizing campaign ROI, engagement trends, and customer segments.
- **Key Tools & Techniques:** Python, SQL, R, Scikit-learn, MLflow, LLMs, ETL, EDA, NLP, AWS, Docker, CI/CD, Predictive Modeling, Attribution Analysis, Power BI, Tableau.

📎 Project Portfolio (Live Demos)

- AI-Powered Psychologist (NLP Mental Health Assistant): [Live Demo](#)
- DataOps Monitoring Platform: [Live Demo](#)
- Brands Sentiment Intelligence Dashboard: [Live Demo](#)
- Full Portfolio: hprojects.dev



Data Analytics Engineer

Roshan Rooz Company, the largest Iran Stone Information Center, and the main holder of Iran's Stone Book. Provides digital marketing, data analysis for sales and marketing, and production tailored for this sector.

April 2019 to December 2021 (2 years, 9 months)

- Designed and developed data models, pipelines, and reports for sales, marketing, and production teams using SQL, Python, and Power BI.
- Automated the data pipeline (ingestion, preprocessing, transformation, visualization), reducing reporting time by 50%.
- Conducted EDA and created dashboards to monitor sales/marketing KPIs, improving campaign efficiency.
- Integrated multiple data sources and APIs into large-scale KPI tracking systems, enabling end-to-end campaign performance analysis.
- Developed ML techniques (predictive modeling, clustering) to enhance marketing analytics and production forecasting, supporting data-driven decisions.
- Delivered measurable business impact: 12.5% reduction in material waste and 90% increase in average annual production, 120% in lead generation, and 70% in sales through operational analytics and adjusting sales strategy.

Key Tools & Techniques: SQL, Python, Power BI, Tableau, AWS, Google Analytics, Looker, BigQuery, API Integration, Digital Marketing Insights, SEO/SEM.



Data Analyst

Mobinnet Telecommunication Company is one of Iran's largest Wireless Broadband Network operators.

April 2017 to April 2019 (2 years)

- Developed automated dashboards and reports for marketing and sales units using Power BI, Google Data Studio, and DAX.
- Created actionable KPIs (churn, CLV, CPL, conversion rate) to support lead generation and retention efforts.
- Conducted performance analysis on digital campaigns, helping improve targeting and reduce cost per lead.
- Used SQL and Python for customer data analysis, leading to better product bundling and pricing decisions.

Key Tools & Techniques: Power BI, DAX, SQL, Python, Digital Channel Analytics, Web Traffic Analysis, Churn Modeling

Relevant Skills

- Languages: Python, R, SQL, HTML, CSS
- Tools & Platforms: SQL, PostgreSQL, Power BI, Tableau, Looker, Google BigQuery, AWS, Azure, GCP
- Techniques: Supervised & Unsupervised Learning, Regression & Predictive Modeling, Customer Segmentation, Attribution Modeling, NLP, LLMs
- Other: Data Warehousing, ETL Automation, Statistical Modeling, CI/CD for ML

Education History



Master of Data Science

Institution: University of Malaya (UM)

Year of Graduation: 2023



Bachelor of Information Technology

Institution: University of Applied Science and Technology (UAST)

Year of Graduation: 2017