Samaneh Hajigholam . Jarvis Consulting

I'm a data analyst with a technical foundation in databases, Python, and cloud-based data systems. My background combines practical experience analyzing healthcare data with hands-on work in data analytics and visualization. I also bring applied software development experience, providing a solid understanding of data engineering concepts such as ETL pipelines, RESTful APIs, and containerized environments. I'm passionate about transforming data into insight and building scalable, data-driven solutions that improve decision-making and deliver real-world impact.

Skills

Proficient: Python (Pandas, NumPy, Matplotlib), RDBMS/SQL, Linux/Bash, Git, Power BI & Data Visualization, Agile/Scrum

Competent: ETL Processes & Data Pipelines, Cloud Platforms (AWS, Azure), RESTful APIs, C/C++, Java, MERN Stack (React.js, Node.js, MongoDB)

Familiar: PySpark, Machine Learning, React Native, Docker, Data Warehousing (Snowflake, Redshift concepts)

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_SamanehHajigholam

Cluster Monitor [GitHub]: Developed a scalable Linux-cluster monitoring system using Bash scripts and cron jobs to log CPU, memory, and disk metrics into a PostgreSQL database running in Docker.

SQL Analytics [GitHub]: Implemented data modeling and SQL queries (joins, aggregation, filtering, string operations) using a Dockerized PostgreSQL instance. Reinforced analytical concepts through hands-on practice in relational database design and performance optimization.

Highlighted Projects

PL/SQL Data Management System [GitHub]: Built and optimized stored procedures, triggers, and reporting views across multiple relational tables (Players, Teams, Rosters). Demonstrated proficiency in SQL logic, data relationships, and analytical reporting automation.

Full-Stack E-Commerce Website [GitHub]: Built an e-commerce web app using ASP.NET Core MVC, SQL Server, and Azure deployment. It allows administrators to manage orders, users, and products efficiently.

Professional Experiences

Software Developer, Jarvis (2025-present): Worked in Scrum teams to deliver backend and data-focused projects, gaining practical experience with Linux/Shell, SQL, Git, and Docker.

Full-Stack Developer, Inlearna(Startup) (Nov 2024-Jan 2025): Developed a learning platform using Node.js, Express.js, MongoDB, and React.js. Designed and implemented RESTful APIs for efficient data management, ensuring seamless communication between front-end and back-end systems. Built and optimized database schemas and queries in MongoDB, improving data retrieval speed and reliability for the platform.

Frontend Developer, McMaster University(iGem Group) (Jun 2024-Oct 2024): Built a responsive website using React.js, TypeScript, and Tailwind CSS for an international research competition. Collaborated remotely with researchers and developers to deliver a functional, visually clear, and scalable academic web solution.

Research Analyst, Rajaei Heart and Research Center (Sep 2019-Apr 2020): Collected, cleaned, and transformed clinical and research datasets to ensure data integrity and accuracy for analysis. Developed SQL queries and Python scripts to extract, manipulate, and analyze large datasets. Created visualizations and reports to communicate insights on patient outcomes and research findings.

Education

Seneca College (2022-2024), Advanced Diploma, Computer Programming & Analysis - Dean's Honour List - GPA: 4.0/4.0

Concordia University (2021-2022), Bachelor of Science, Computer Science (Transferred Program) - GPA: 3.86/4.0 - Transferred out

University of Tehran (4 years), Bachelor of Science, Health

Miscellaneous

- IBM Data Analyst Professional Certificate(Jun 2025 - Sep 2025)
- Microsoft Azure AI Fundamentals(Jul 2025)