

Milad Tajvidi

MSc, Data Science | AWS Certified

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Professional Experience

Freelance Data Engineer

May 2024 - Present

Upwork

Remote

- Designed and built an automated end-to-end pipeline for cryptocurrency API data ingestion into an AWS data lake
- Ensured consistency and availability of the latest data for querying via ETL pipelines
- Implemented serverless data ingestion using AWS Lambda
- Monitored, audited and logged different metrics using AWS CloudWatch and CloudTrail
- Collaborated with other project members to help report on KPIs

Back-end Developer & Programming Instructor

Jan 2020 - June 2022

Institute of Technology Development of Canada

Vancouver, Canada

- Designed, built and maintained college student and employee data infrastructure using AWS DMS, Redshift and S3. Coordinated with software engineers and database administrators to improve the performance of the college's data infrastructure
- Automated and scaled school's ETL pipelines for improved tuition installment form processing
- Designed and delivered lectures on programming languages, front-end development, databases, SQL, and algorithms
- Facilitated in-class activities and provided constructive feedback using hands-on projects. Continuously improved educational content and delivery while directly communicating and providing feedback reports to college head
- Mentoring junior team members

Research Assistant

2013-2017

University of Calgary

Calgary, Canada

- Researched and compared the efficiency of different methods on the digital pre-distortion of radio frequency power amplifiers

Certifications & Skills

- Completed certifications:
 - AWS Machine Learning Specialty
 - AWS Associate Solution Architect
 - AWS Associate Cloud Developer
 - AWS Data Engineer Associate
 - Microsoft Power BI Data Analyst
- Advanced skills: Python, R, Spark, SQL, Airflow, Tableau, PowerBI
- Strong understanding of statistical methods
- Strong background in data science toolkits such as pandas, numpy, scikit-learn, TensorFlow & Torch

Education

MSc, Data Science

2023-2024

University of Colorado Boulder

Colorado, USA

Information Technology with Co-op Diploma

2018-2020

Concentration in System & Embedded Programming

Vancouver, Canada

Institute of Technology Development of Canada

BSc, Electrical Engineering

2007-2012

Sharif University of Technology

Tehran, Iran

Volunteer Activities

Presenter	Aug-Sep 2024
Generative AI Coding Group	Remote
■ Prepared and delivered codes and presentation slides on VAEs and diffusion models for a generative AI coding group	

Awards & Achievements

Annual Progress Report Excellence Award	2013
University of Calgary, Calgary, Canada	
Special Admittance Scholarship	2013
University of Calgary, Calgary, Canada	
Ranked 8th out of 150,000 undergraduate students	2007
National Undergraduate University Entrance Exam of Iran	
First-phase acceptance and ranking within the top 800	2004-2006
Iranian National Mathematical Olympiad	