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Behrad Zabihi

Data Scientist

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EDUCATION

MSc in Data Science , <i>Lancaster University</i>	2022 — 2023
<i>Average: 80% (top 2.5%)</i>	
BSc in Computer Engineering , <i>Sharif University of Technology</i>	2016 — 2021

SKILLS

Programming Languages	Python, C/C++, R, SQL, C#
Machine Learning	TensorFlow, Keras, PyTorch, Scikit-learn, Pandas, Numpy, Scipy, Huggingface, Transformer
Visualisation	PowerBI, Matplotlib, Seaborn
Web	.NET, Django, HTML5, CSS3, Javascript, TypeScript
Technologies/Frameworks	AWS, Azure, Git, Docker, Hadoop
Languages	English (Fluent), French (Intermediate), Persian (Native)

WORK EXPERIENCE

Informed Solutions <i>Technical Consultant</i>	Nov 2023 — Present <i>Manchester, UK</i>
<ul style="list-style-type: none">Automated farmers' funding validation pipeline leveraging NLP and computer vision to reduce manual review time by 2 weeks per case.Built a Power BI dashboard for delivery managers and recruitment team to make real-time data-driven decisions.Developed a scalable ETL pipeline using Airbyte and DBT for the National Digital Twin Programme (NDTP) to extract EPC data, linking it to house postcodes for real-time visualisation and energy efficiency insights.Developed cloud-based web applications and REST APIs following object-oriented programming principles.Applied agile practices with Jira and Git to manage CI/CD pipelines for streamlined integration and testing.Provided continuous client communication, consultancy, and support to build strong relationships.	
Informed Solutions <i>Data Science Placement</i>	Jun 2023 — Sep 2023 <i>Manchester, UK</i>
<ul style="list-style-type: none">Automated planning applications by extracting key information from unstructured documents to reduce review time.Utilised keyword extraction and LLM-based summarisation to create concise document summaries for assessors.	
Mizan Gostaran Sharif <i>Data Scientist</i>	Jun 2022 — Aug 2022 <i>Tehran, Iran</i>
<ul style="list-style-type: none">Developed a scalable NLP pipeline, automating resume processing and increasing throughput from 26K to 500K+ CVs.Clustered semi-structured and unstructured resume data to optimise candidate-job matching based on relevance.	
Sharif University of Technology <i>ML Research Assistant</i>	Feb 2021 — Jul 2021 <i>Tehran, Iran</i>
<ul style="list-style-type: none">Modelled the spread of COVID-19 using statistical techniques, analysing transmission dynamics between countries.Enabled authorities to make informed decisions regarding travel bans from high-risk countries to limit the spread of the virus.	

SELECTED PROJECTS

Big Data Pipeline	Nov 2023 — Apr 2023
<ul style="list-style-type: none">Built a Big Data pipeline to analyse Google data centre operations.Deployed a distributed computing environment with Hadoop for large-scale data processing.	
Face2Sketch and Sketch2Face	Jan 2023 — Mar 2023
<ul style="list-style-type: none">Used CAEs and GANs for facial recognition and image translation.Generated facial sketches from photos and reconstructed photos from sketches.	
Co-Op Bakery Daily Forecasting	Dec 2022 — Jan 2023
<ul style="list-style-type: none">Applied time-series forecasting to optimise baked goods production, minimising waste and clearance items.	

ACHIEVEMENTS

National University Entrance Exam , <i>Ranked 42nd in Maths & Physics among 163000 applicants</i>	Jun 2016
National Olympiads in Informatics , <i>Semi-finalist</i>	Jun 2014