Behrad Zabihi
Data Scientist

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EDUCATION

MSc in Data Science, *Lancaster University* — 2022 — 2023
*Average: 80% **(top 2.5%)***
BSc in Computer Engineering, *Sharif University of Technology* — 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 — **Nov 2023 — Present**
Technical Consultant — *Manchester, UK*
- 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 — **Jun 2023 — Sep 2023**
Data Science Placement — *Manchester, UK*
- 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 — **Jun 2022 — Aug 2022**
Data Scientist — *Tehran, Iran*
- 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 — **Feb 2021 — Jul 2021**
ML Research Assistant — *Tehran, Iran*
- 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**
- 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**
- 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**
- Applied time-series forecasting to optimise baked goods production, minimising waste and clearance items.

ACHIEVEMENTS

National University Entrance Exam, *Ranked 42nd in Maths & Physics among 163000 applicants* — Jun 2016
National Olympiads in Informatics, *Semi-finalist* — Jun 2014