

Ehsan Bojnordi

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Professional Summary

Data Analyst and Machine Learning Developer with strong experience in data analysis, predictive modelling, and building data-driven applications. Proficient in Python, SQL, and C#, with hands-on experience in developing machine learning solutions and data pipelines. Skilled in data visualization and business intelligence using Power BI, with a solid foundation in Microsoft Azure data services. Passionate about transforming complex data into actionable insights to support decision-making.

Technical Skills

Data Analytics & Insights

- Data cleaning, preprocessing, and exploratory data analysis (EDA)
- Statistical analysis and hypothesis testing (SPSS, Excel)
- Trend analysis and data interpretation to support decision-making

Data Visualization & BI

- Dashboard development and data storytelling using Power BI
- KPI design, tracking, and interactive reporting
- Translating complex data into clear, actionable insights

Programming & Querying

- Python (Pandas, NumPy, Matplotlib, Scikit-learn, PyTorch)
- SQL (joins, aggregation, window functions, performance optimization)
- C# (application development and data processing for reporting)

Databases & Data Management

- SQL Server, PostgreSQL, MySQL, SQLite
- Data modeling and relational database design
- ETL processes and data pipelines for data integration

Cloud & Platforms

- Microsoft Azure (Azure Data Fundamentals – DP-900)
- Azure SQL and Data Factory for cloud-based data workflows
- AWS (S3, Lambda)

Tools & Technologies

- Git, GitHub, GitLab
- Flask, FastAPI, Postman (data-driven backend services and dashboard development)
- HTML, CSS, JavaScript (interactive dashboards and web interfaces)

Work History

Data Analyst & Researcher (MBIE-Funded Project) University of Canterbury, Christchurch, NZ | Dec 2022 – Feb 2026

- Designed and developed an ontological learner model and a recommendation engine for a video-based learning platform.
- Analysed large-scale learner interaction data to identify engagement patterns and inform system improvements.
- Conducted statistical analyses and experimental evaluations to assess model performance and impact.

Data Consultant Smart Analytics, Christchurch, NZ | Oct 2023 – Sep 2025

- Contributed to data migration and deployment of key reporting dashboards to the Power BI platform.
- Supported data migration and developed and deployed key reporting dashboards in Power BI.

Senior Data Analyst Iranian National Tax Administration, North Khorasan, Iran | Oct 2013 – Oct 2022

- Led data-driven initiatives enhancing operational workflows, reporting, and executive decision-making through advanced analytics and ETL.
- Designed ETL pipelines and executive reporting dashboards using C# and SQL, cutting reporting time from days to minutes and significantly enhancing decision-making and centralising control over tax revenues, taxpayer profiles, and auditor performance through robust, scalable data solutions.
- Managed and mentored analytics team to align technical delivery with organisational objectives.

System Analyst Iranian National Tax Administration, North Khorasan, Iran | Apr 2008 - Sep 2013

- Designed and executed continuous ETL processes for operational reports and management dashboards.
- Maintained high-availability databases and systems (99% uptime).

Education

- **PhD, Computer Science** | University of Canterbury, New Zealand | Dec 2022 – Feb 2026
- **MSc, Artificial Intelligence** | University of Kurdistan, Iran | Sep 2009 - Oct 2012
- **BSc, Computer Engineering** | Bahonar University of Kerman, Iran | Sep 2001 - Oct 2005

Certificates**Microsoft Certified**

- Azure Data Fundamentals (DP-900)

Honors & Awards

- **Asia-Pacific Society for Computers in Education Excellence Scholarship Award**
International Conference on Computers in Education, Manila, the Philippines, Nov 2024
- **Computer Science and Software Engineering Doctoral Scholarship**
University of Canterbury, New Zealand, Dec 2022 – Nov 2025
- **Full Governmental Fellowship for Domestic Master and Bachelor Studies**
University of Kurdistan, Iran, Sep 2009 - Oct 2012 | Bahonar University of Kerman, Iran, Sep 2001 - Oct 2005

Publications

- Published 10+ peer-reviewed papers in AI, focusing on data-driven modelling and recommender systems (see [Google Scholar profile](#))

Key Soft Skills

- Strong problem-solving and analytical thinking
- Effective communication with technical and non-technical stakeholders
- Time management and ability to prioritise in fast-paced environments
- Team collaboration and cross-functional support
- Adaptability and willingness to learn new technologies
- Customer-focused mindset with a commitment to service quality

Additional Information

- Currently on an open Post-Study Work Visa (valid until 26 Nov 2028)
- Full New Zealand driver licence
- Based in Christchurch, open to relocation across New Zealand