

NAVID HEJAZI

Data Science | Analytics | Full Stack Development

CONTACT

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PROFILE

I am passionate about solving real-world business challenges through Data Science and Analytics. Backed by hands-on experience in full-stack development and cloud computing, I enjoy collaborating with teams to deliver impactful, practical solutions. Committed to continuous learning and applying data-driven solutions that deliver measurable business value.

SKILLS & TOOLS

Programming & Data Analysis: Python (Pandas, NumPy, Scikit-Learn), SQL, RESTful APIs, Data Wrangling

Machine Learning & AI: Exploratory Data Analysis (EDA), Statistical Analysis (Hypothesis Testing, A/B Testing, Central Limit Theorem), Supervised & Unsupervised Learning (Logistic Regression, Random Forest, K-Nearest Neighbours, K-Means, PCA), Association Rule Learning, Causal Impact Analysis, ML Pipelines, Deep Learning (ANNs, CNNs) using Keras and TensorFlow, Model Evaluation (Precision, F1 Score, Recall, Cosine Similarity)

Visualisation & Tools: Tableau, Plotly, Matplotlib, Seaborn, Streamlit, GitHub, Docker, GitHub Actions, Data Storytelling

Cloud Platforms: AWS (S3, EC2, RDS, SageMaker, Lambda), Azure (AI-900, AI-102)

Soft Skills: Analytical Thinking, Problem-Solving, Continuous Learning, Team Collaboration

EXPERIENCE

Full-Stack Developer, Tensator Group, Full-time, Milton Keynes, UK

02/2024 - Present

- Developed SQL queries to extract key performance data and built interactive dashboards using Chart.js to visualise and compare operator availability, workload, and efficiency metrics, supporting business decision-making in retail and airport environments.
- Delivered two customer-facing queue management products in collaboration with cross-functional teams, integrating real-time data to optimise operational efficiency.
- Developed backend solutions using Python (Flask) and SQL, integrating WebSocket communication to enable real-time data updates and improve system configuration and data accessibility.
- Integrated smart camera APIs into the queue management system to automate customer guidance and enable real-time decision-making based on the number of people in each area.

Junior Full-Stack Developer, Konica Minolta, Part-time, London, UK

02/2022 – 07/2022

- Developed web applications using Flask and Python, focusing on clean code and unit testing.
- Designed and tested sign-in pages, ensuring data integrity through robust input validation and comprehensive unit tests.
- Collaborated in an agile team environment, using Bitbucket for version control and peer code reviews.

PROJECTS

Enhancing Targeting Accuracy - [🔗 View blog post](#) | [View code on GitHub](#)

- Applied machine learning to improve email campaign targeting by predicting customer responsiveness and minimizing false positives.
- Explored and prepared customer data, engineered features, and performed feature selection using correlation and importance scores.
- Evaluated Logistic Regression, Random Forest, and KNN models; selected Random Forest for its balance of precision and interpretability.
- Delivered actionable insights for marketers to reduce outreach waste and boost campaign ROI through smarter targeting.

Image Search Engine - [View blog post](#) | [View code on GitHub](#)

- Built an image similarity engine to retrieve visually similar items without manual tagging, inspired by product search in e-commerce.
- Extracted feature vectors using a pre-trained ResNet50 model and applied transfer learning for efficient deep feature representation.
- Calculated cosine similarity between image embeddings to compare visual likeness and return top-ranked results.
- Enabled product discovery through deep learning-based visual similarity, simulating real-world e-commerce search experiences.

EDUCATION

Full-Stack Bootcamp Graduate, Code Your Future, Full-time, London, UK

08/2022 - 12/2023

- Developed full-stack web applications using JavaScript, React, Node.js, and SQL, applying MVP principles to deliver functional solutions within tight timelines.
- Collaborated in agile teams using Slack and Miro for project planning, led daily stand-ups and retrospectives, and contributed to code reviews to improve team alignment and code quality.
- Deployed scalable applications using Docker Compose, CI/CD pipelines (GitHub Actions), and AWS services (S3, RDS, EC2), streamlining local development and automated cloud deployments.

MS in Computer Engineering, Software, with distinction, Iran, Islamic Azad University (2020)

- Core modules: Advanced Programming, Data Structures, Machine Learning, Software Engineering.
- Thesis: Activity Recognition in Smart Homes using SVM.

CERTIFICATIONS & COURSES

Data Science Professional Certification – Data Science Infinity (2025) - [View Credential](#)

- Practiced the full Data Science lifecycle, including data wrangling, SQL-based extraction, A/B testing, hypothesis testing, and preprocessing using Python (Pandas, NumPy).
- Built and evaluated ML and deep learning models using Scikit-Learn and Keras, applying ANNs and CNNs for tasks like classification, clustering, and image-based search.
- Assessed model performance using Precision, Recall, F1 Score, and Cosine Similarity, and communicated insights through effective data storytelling.
- Deployed ML pipelines and interactive applications using Streamlit and AWS services (EC2, S3, RDS, SageMaker, Lambda).

Deep Learning with Keras and TensorFlow – IBM, Coursera (2025) - [View Credential](#)

- Built deep learning models for classification, regression, and time series prediction using Keras integrated with TensorFlow 2.x.
- Applied CNNs, RNNs, Transformers, GANs, and Reinforcement Learning techniques to real-world problems involving sequential data and image-based tasks.
- Gained experience with model optimisation, evaluation, and custom layer design.

Azure AI Engineer Associate (AI-102) – Microsoft (2024) - [View Credential](#)

- Developed and deployed AI solutions using Azure Cognitive Services, including computer vision, NLP, and generative AI.
- Programmatically managed Azure AI resources using SDKs and REST APIs to support scalable, production-ready AI workflows.
- Applied responsible AI principles and managed the end-to-end model lifecycle, including document intelligence and knowledge mining.