

# IBRAHIM ABDO

## Data Science Student

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[GitHub](#) | [LinkedIn](#)

## PROFILE

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Data Science student at BUAS with a passion for machine learning and Python. Interested in solving real-world problems through data analysis and building practical solutions. Strong problem-solving skills with experience working on technical projects and exploring different approaches to data challenges. Continuously developing skills in machine learning, data processing, and software development.

## PROJECTS

- **SDG Indicators Dashboard**  
Interactive Power BI dashboard tracking UN Sustainable Development Goals. Top 10 DataCamp ranking among 50+ peers.
- **ASL Image Classifier**  
Deep learning model for American Sign Language recognition. CNN, stakeholder analysis, accessibility focus for workplace inclusion.
- **ANWB Safe Driving Data Warehouse**  
PostgreSQL data warehouse integrating telematics, weather, traffic data. ETL pipelines, time-series alignment, real client project.
- **SME Digital Transformation Research**  
Mixed-methods research on AI adoption. Survey design, qualitative analysis, hypothesis testing, conference presentation.
- **Plant Root Segmentation & Robotics**  
Computer vision (U-Net) + reinforcement learning for automated robot control. Kaggle competition, PyTorch, MLOps.
- **Emotion Classification Pipeline**  
Production NLP system analyzing video sentiment. Transformers, machine translation, FastAPI, Docker, Azure ML deployment.
- **Predictive Truck Maintenance**  
Real-time ML model predicting truck failures for DAF trucks. Time-series forecasting, anomaly detection, production MLOps pipeline. (In Progress)

## OTHER EXPERIENCE

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### Baliedienst at DHL-Zevenhuisen

*August 2025 – Present | Netherlands*

Responsible for assisting customers and drivers at the service desk within the depot. Process incoming and outgoing shipments, handle customer inquiries, manage delivery documentation, and resolve issues related to parcels. Maintain high standards of customer service and accuracy in a fast-paced logistics environment.

### Logistics Driver at DHL-Zevenhuisen

*July 2024 – November 2024 | Netherlands*

Collected, sorted, and prepared daily delivery routes from the DHL depot. Delivered packages to customers with timely, accurate, and professional service. Maintained delivery records and compliance with safety procedures. Consistently completed high-volume routes efficiently through strong time-management skills.

### Shift Manager at Gaptas Plastik

*April 2016 – August 2021 | Turkey*

Started as a production worker and progressed to Shift Manager, supervising three daily shifts and a team of three. Implemented KPI monitoring and scheduling improvements to ensure seamless handovers and boost output consistency.

### Waiter at Babel Cafe

May 2016 – January 2018 | Turkey

Served up to 150 customers on busy Saturdays, delivering personalized service in a fast-paced environment.

### Injection Machine Operator at Burak-Plastik

April 2015 – July 2015 | Turkey

Operated injection molding machinery producing parts every 20 seconds with minimal defects.

## EDUCATION

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### B.Sc. Applied Science in Data Science & Artificial Intelligence

Breda University of Applied Sciences (BUAS) | Expected graduation: 2027

Breda, Netherlands

## SKILLS

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**Data Analytics & Visualization:** Power BI (Advanced), Matplotlib, Seaborn, Plotly, Hypothesis Testing

**Machine Learning & AI:** Supervised Learning, Unsupervised Learning, Deep Learning, Time-Series Forecasting, Anomaly Detection, Scikit-learn, PyTorch, TensorFlow, Hugging Face

**Natural Language Processing:** Text Processing, Transformers, BERT, Machine Translation, Emotion Classification

**Computer Vision:** Image Classification, CNNs, Image Segmentation (U-Net), Object Detection, Data Augmentation, OpenCV

**Data Engineering & Databases:** PostgreSQL, SQL, Data Warehousing, ETL Pipelines, Time-Series Data Management, Data Quality, psycopg2

**MLOps & Deployment:** Docker, FastAPI, Azure ML, MLflow, Experiment Tracking, Model Versioning, Production ML Systems, Poetry, Pytest

**Reinforcement Learning:** Policy Gradient Methods (PPO), Robot Control, Markov Decision Processes, Gym

**Research & Statistics:** Mixed-methods Research, Survey Design, Qualitative Analysis, GDPR Compliance

**Professional & Collaboration:** Git/GitHub, Agile Scrum, Kanban, Team Project Management, Client Communication, Documentation

**Programming:** Python (Core), SQL, Jupyter Notebooks, Markdown

## LANGUAGES

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**Arabic** (Native) • **Turkish** (B2) • **English** (B2) • **Dutch** (A2)