

# BABIS NIKANDROU

## DATA SCIENCE & ANALYTICS PROFESSIONAL

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### SUMMARY

- Graduated in the **top 10%** of my class with **distinction** in an MSc in Data Science & Analytics
- Developed strong knowledge in programming languages & data tools such as **Python, SQL, R, Excel & Tableau**
- Proficient in Machine Learning, Data Modelling, Preprocessing, Cleansing, Warehousing & Visualization
- Highly motivated, fast learner & efficient communicator, resilient character with attention to detail & problem-solving skills

### EDUCATION & TRAINING

<b>2023 – 2024</b>	<b>MSc Data Science &amp; Analytics</b>	<b>University of Westminster, London, UK</b>
	<ul style="list-style-type: none"><li>• Data Mining &amp; Machine Learning</li><li>• Business Analytics</li><li>• Data Warehousing &amp; Business Intelligence</li></ul>	<ul style="list-style-type: none"><li>• Big Data Theory &amp; Practice</li><li>• Data Visualisation &amp; Dashboarding</li><li>• Web &amp; Social Media Analytics</li></ul>
<b>2022 – 2023</b>	<b>Master's Program in Data Analytics</b>	<b>Purdue University by IBM, London, UK</b>
	<ul style="list-style-type: none"><li>• Data Analytics with R</li><li>• SQL Training</li></ul>	<ul style="list-style-type: none"><li>• Visualisation &amp; Dashboarding with Tableau</li><li>• Programming Basics &amp; Data Analytics with Python</li></ul>
<b>2009 – 2014</b>	<b>BSc in Economics</b>	<b>Aristotle University of Thessaloniki, GR</b>
	<ul style="list-style-type: none"><li>• Mathematics &amp; Statistics</li><li>• Econometrics</li></ul>	<ul style="list-style-type: none"><li>• Economic Theory &amp; Analysis</li><li>• Marketing Principles</li></ul>

### RELEVANT EXPERIENCE & PROJECTS

<b>2023 – 2024</b>	<b>Heart Attack Prediction Analysis</b>	<b>Dissertation, MSc Data Science &amp; Analytics</b>
	<ul style="list-style-type: none"><li>• Developed <b>15 ML models</b> to predict heart attacks, optimizing <b>Precision (+40%)</b>, <b>Accuracy (+45%)</b> &amp; <b>AUC score (+60%)</b></li><li>• Handled Imbalance Data through ROS, RUS &amp; Calibration &amp; applied Feature Selection Methods (e.g. RFE, SFS &amp; Fisher)</li><li>• Tuned models with Grid Search &amp; Randomized Cross Validation in Python</li></ul>	
<b>2023 – 2024</b>	<b>Market Basket Analysis   Customer Segmentation   RFM   Clustering</b>	<b>MSc Data Science &amp; Analytics</b>
	<ul style="list-style-type: none"><li>• Analysed customer behaviour with RFM segmentation in SQL &amp; <b>DBSCAN clustering</b> in Python</li><li>• Identified customer segments such as High-Value, VIPs &amp; Dormant Customers</li><li>• Provided insights to enhance <b>retention (+15%)</b> &amp; <b>lifetime value (+9.5%)</b></li></ul>	
<b>2023 – 2024</b>	<b>Social Media Analysis   Text Mining   YouTube &amp; Reddit API's</b>	<b>MSc Data Science &amp; Analytics</b>
	<ul style="list-style-type: none"><li>• Analysed social media discussions &amp; behaviour using Text Mining in Python through more than <b>10K user's comments</b></li><li>• Applied <b>LDA</b> for topic modelling &amp; <b>VADER</b> for sentiment analysis</li><li>• Utilised YouTube &amp; Reddit APIs for data collection &amp; extraction</li></ul>	

### WORK EXPERIENCE

<b>Jan 25 – Jun 25</b>	<b>Data Analyst Intern</b>	<b>Rakun LTD, London, UK</b>
	<ul style="list-style-type: none"><li>• Cleansed &amp; preprocessed datasets, reducing errors &amp; correcting inconsistencies improving data quality using <b>Python &amp; SQL</b></li><li>• Implemented data transformation &amp; preparation techniques to restructure raw data for analysis</li><li>• Contributed to data warehousing team, improving data retrieval for projects</li></ul>	
<b>Jul 22 – Jul 23</b>	<b>Bar Manager</b>	<b>Opso LTD, London, UK</b>
	<ul style="list-style-type: none"><li>• Responsible for the management, training &amp; coordination of other team members</li><li>• Monitoring &amp; arrangement of stocks, orders &amp; deliveries</li><li>• Positive, proactive &amp; highly organised, with strong time management &amp; planning skills</li></ul>	
<b>Jan 21 – Mar 22</b>	<b>Business Optimisation Analyst</b>	<b>LEGO Education of Greece (O3), GR</b>
	<ul style="list-style-type: none"><li>• Analysed data for <b>3.5K participants</b>, focusing on demographics, activity trends &amp; engagement</li><li>• Used SQL for data cleaning, manipulation, aggregation &amp; query optimisation to enhance regular reporting</li><li>• Provided insights to improve event structure &amp; <b>ROI</b> for next year <b>(+12%)</b></li></ul>	

### SKILLS & EXPERTISE

<ul style="list-style-type: none"><li>• Data Transformation</li><li>• ETL (<b>pandas &amp; NumPy</b>)</li><li>• Text Mining</li></ul>	<ul style="list-style-type: none"><li>• Predictive Modelling (<b>sklearn</b>)</li><li>• Deep Learning</li><li>• Hypothesis Testing</li></ul>	<ul style="list-style-type: none"><li>• Pipelines &amp; Optimisation</li><li>• Data Warehousing</li><li>• Clustering (<b>DBSCAN</b>)</li></ul>	<ul style="list-style-type: none"><li>• Customer Segmentation</li><li>• Visualisation (<b>matplotlib</b>)</li><li>• Data Preprocessing &amp; Cleansing</li></ul>
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### HOBBIES & INTERESTS

Driving Licence Category A & B | Sailing & Lifeguard Licence | Football | Snowboard | Movies | Gaming