

# Arsenios Diamantakos

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## ABOUT ME

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Dynamic and innovative AI graduate who enjoys turning messy problems into clear, testable ideas and simple, reliable code. I hold a BSc in **AI & Computer Science** (University of Birmingham) and an MSc in **AI & Business Strategy** (Aston University), pairing solid machine-learning fundamentals with practical, business-aware thinking. I focus on turning analysis into action and shipping end-to-end solutions that raise quality and speed. Outside the lab, I was active in student communities and team sports (CSS, handball, basketball), which taught me collaboration, discipline, and resilience.

## Education

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### **MSc, Artificial Intelligence & Business Strategy | Aston University, Birmingham, UK** **2022 – 2024**

Selected modules: Research Methods & Professional Practice, Mathematics for AI, Machine Learning, AI: Vision & Reality, International Entrepreneurship, International Business Strategy, Strategic Management, Leadership & Decision-Making.

### **BSc, Artificial Intelligence & Computer Science | University of Birmingham, Birmingham, UK** **2018 – 2022**

Selected modules: AI, C, Computer Vision & Imaging, Concepts of CS, Data Structures & Algorithms, HC, Logic & Computation, Mathematical Foundations of CS, Java, Security & Networks.

## Academic Projects

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### **AI Nutritionist** (Undergraduate Final Year Project) **2022-2023**

- Built an AI-powered nutrition assistant that recommends personalized diet plans using ML on a structured nutrition database.
- Designed the data pipeline (collection, cleaning, feature engineering) to improve recommendation accuracy and user relevance.
- Streamlined the planning flow so users spend less time setting goals and tracking progress; presented results at an academic forum.
- Documented model performance and ethical considerations (bias, transparency) for responsible use.

### **Optimising Reserve Prices for Publishers in Internet Marketing Ecosystems** (MSc Final Project) **2023-2024**

- Developed a dynamic pricing approach for ad inventory using analytics and machine learning.
- Analyzed historical engagement and market signals to set reserve prices; evaluated uplift via offline simulations.
- Produced a reproducible workflow (data prep -> modelling -> validation) and presented findings to academic and industry audiences.
- Highlighted strategic implications for revenue yield and operational efficiency.

## TECHNICAL SKILLS

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- AI/ML: supervised learning, model evaluation, feature engineering, computer vision basics
  - Programming: Python, Java, C++, algorithms & data structures,
  - Data & Analytics: data cleaning, exploratory analysis, basic statistics
  - Business & Strategy: market & competitive analysis, entrepreneurship exposure
  - Foundations: HCI, security & networks, logic & computation, math for AI
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## **SOFT SKILLS**

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- ✓ Communication
- ✓ Collaboration & Teamwork
- ✓ Problem-solving
- ✓ Adaptability
- ✓ Time management
- ✓ Organization
- ✓ Positive attitude
- ✓ Accountability
- ✓ Growth mindset
- ✓ Ethical judgment

## **LANGUAGES**

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Greek – native speaker

English – C2 level, Michigan University

## **MEMBERSHIPS AND ASSOCIATIONS**

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Member at Computer Science Society (CSS).

Member at Handball Student Club.

Member at Basketball Student Club.

