Dilara Bayram

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SUMMARY

MSc Applied Artificial Intelligence student at the University of Warwick with hands-on experience building machine learning and NLP systems, AI-powered tools, and data analytics pipelines end-to-end. Experience with Python, SQL, and Power BI, with practical exposure to LLMs, prompt engineering, RAG architectures, and agentic AI. Background in Industrial Engineering adds structured, systems-level thinking to every technical problem. Co-founded an AI product startup and delivered AI projects from prototype to production deployment.

EDUCATION

University of Warwick | Coventry, UK *Sep 2025 - Sep 2026 (Expected)*

MSc Applied Artificial Intelligence

Dissertation: *Agentic Multi-Channel Feedback Intelligence for B2B SaaS Product Decisions*

- Building an agentic AI system that synthesises multi-channel B2B SaaS customer feedback into evidence-grounded product prioritisation recommendations with temporal drift detection, RAG-based grounding, and human-in-the-loop review.

Relevant Coursework: Machine Learning, Deep Learning, Natural Language Processing (NLP), SQL & Databases

Istanbul Technical University | Istanbul, Turkey *2020 - 2025*

BSc Industrial Engineering - GPA: 3.45

Thesis: *Developing a Competency Framework and Digital Platform for Strategic Skill Management - in collaboration with Mercedes-Benz Turk*

- Developed an NLP pipeline using BERT and semantic similarity to extract competencies from 1,000+ job descriptions; deployed insights into a SharePoint + PowerApps platform used for HR analytics and workforce planning.

Relevant Coursework: Operations Research, Statistics, Project Management, Machine Learning, Business Planning & Innovation

PROFESSIONAL EXPERIENCE

PerManage | Co-Founder & Product Manager *Feb 2024 - Aug 2025 | Istanbul, Turkey*

- Co-founded an AI-driven HR analytics start-up within ITU Teknopark, scoping and implementing AI use cases to enhance workforce planning and competency management.
- Defined product roadmap, gathered requirements, and prioritised features using Agile/Scrum, coordinating a cross-functional team from ideation to pilot implementation.

Mercedes-Benz Turkey HQ | Factory & Planning Intern *Aug 2024 - Sep 2024*

- Conducted process analyses and optimised production flow, improving process clarity and operational alignment through data-driven insights.
- Prepared an MS Project-based business and resource plan that streamlined factory planning, improved capacity utilisation and scheduling.
- Collaborated with planners and engineers to analyse operational data, identify bottlenecks, and recommend network and process improvements.

TEMSA | International Sales Intern *Jun 2024 - Jul 2024*

- Automated manual reports using MS Excel and Power BI, improving reporting efficiency and data-driven decision accuracy.
- Conducted market research across 10+ export regions and performed competitor benchmarking, identifying 3 high-potential market expansion opportunities.
- Collaborated with an Agile team to implement digital transformation projects and improve internal reporting and customer-facing processes.

METAL CONSTRUCTION | Planning Officer *Feb 2023 - Oct 2023*

- Designed and led development of a multifunctional project management tool, overseeing the project lifecycle from design to implementation in collaboration with the IT team.
- Built Power BI dashboards and conducted historical data analysis in MS Excel to optimise production scheduling, achieving 95% on-time delivery across multiple projects.
- Developed and maintained CPM trackers for 15+ active projects, improving workflow transparency, monitoring risks, and supporting on-time execution.
- Coordinated with engineering, procurement, and operations teams to track open actions, analyse delays, and propose corrective measures.

LEADERSHIP & ACTIVITIES

President & Founding Member | Society of Women Engineers, ITU *2023 - 2025*

- Led a 40+ active, 300+ regular member organisation, driving strategic initiatives to empower women in engineering and technology.
- Planned and executed events with industry partners, managing stakeholders, timelines, and resources while enhancing member engagement.

The Secure Intelligence Frontier Hackathon | Google, NatWest & University of Warwick *Mar 2026*

- Built SafePrompt Hub, a Chrome extension intercepting AI prompts in real time and stripping sensitive data using Google Cloud DLP and an on-device DistilBERT model; shipped a working MVP in 48 hours.

AWS PartyRock Hackathon | 3rd Place - Sustainability Track

- Built Re:Gen, a multimodal AI assistant for waste identification and recycling guidance using AWS PartyRock.

Winner | ITU GINOVA JumpStart Program

- Completed a 5-week intensive on design thinking and business innovation; co-founded PerManage.

2nd Place | Akbank Think Tank Competition

- Designed Fortinancial, an AI-based financial wellness app; led MVP development and market validation.