

ANUAR AIMOLDIN

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Industry: Applied AI leader with 10+ years of experience combining research, engineering, and leadership to deliver impact across diverse environments

Research: Lancet co-author, Kaggle Top 14 globally, APMO medalist, PhD researcher at MBZUAI

Society: Founder of a 10K+ member AI ecosystem, organizer of Central Asia's first AI Olympiad, and member of the IOAI International Scientific & Host Committee

ENTREPRENEURSHIP & COMMUNITY LEADERSHIP

DSML.KZ, Founder & Product Lead

September 2017 – Present

- Founded **DSML.KZ**, an AI/ML community in Kazakhstan and Central Asia, growing it to **10K+ members across platforms**.
- Built and operate a **multichannel AI/ML media network**, publishing news, research updates, community stories, and career opportunities across Telegram, YouTube, LinkedIn, and the web.
- **Built and launched the dsml.kz platform in 2025**, now with **2,000+ registered users**. A professional social network for AI/ML engineers and researchers, it combines public profiles with a **community feed for member posts, research sharing, and discussions**. Integrated hiring workflows with **AI-assisted job-post creation**, direct applications, and recruiter tools for managing candidates.
- Developed **feed recommendations and research discovery**, alongside an **AI-powered news pipeline** combining **ML relevance scoring** with **AI agents** for multi-source story synthesis and article and daily digest generation.

Kazakhstan AI Olympiad, Organizer

- Organized Kazakhstan's first national AI Olympiad for high school students, helping build the national team that placed 4th at IOAI 2025, winning 3 gold, 1 silver, and 3 bronze medals.

International Olympiad in AI (IOAI), International Scientific Committee

November 2025 – Present

- Serve as an IOAI 2026 jury member and Scientific Committee member, responsible for task design and validation, scoring integrity, competition deployment, contestant Q&A, and appeals review.

INDUSTRY EXPERIENCE

Careem, acquired by Uber (Dubai UAE), Senior Data Scientist

March 2023 – December 2024

Super app operating in 70+ cities across 10 countries in the Middle East, Africa, and South Asia

Owned key dispatching, ETA prediction, and courier planning systems for food and grocery delivery.

- Delivered **\$1.5M in annual savings** by transitioning courier operations to a zone-based shift model, rolled out to **35% of the fleet**; led the planning stack across zone design, demand forecasting, supply planning, and shift optimization.
- Proactively identified **courier GPS spoofing** that gave couriers priority for orders and made pickup ETAs unreliable; built real-time detection, reducing affected orders by **93%**, from **218k to 15k per week**.
- Improved **ETA accuracy** by **10 pp** (share of predictions within ± 5 minutes of actual delivery time) by identifying delivery stages from courier GPS signals and applying stage-specific prediction models.
- Launched **priority-based dispatching**, improving customer and courier delivery metrics by **2 pp** and **2.5 pp**, respectively, through redesigned matching logic validated using a high-fidelity simulator.

Checklens GmbH (Salzburg, Austria), Senior AI Researcher

March 2021 – August 2022

Computer vision startup building automated checkout solutions for retailers including IKEA, Netto, and Lidl

- Led development of **Checkscan** from MVP to live-store deployment, automating checks of basket contents against receipts.
- Built **real-time product recognition and counting** across **15,000+ products**, including **multiple identical items in the same basket**, using two-stage tracking and **in-house GNN-based reranking**.
- **Standardized the ML pipeline** from video ingestion and annotation to deployment.

Harrison.ai (Sydney, Australia), Senior AI Researcher

March, 2020 - January, 2021

Healthcare AI startup developing deep learning systems for chest X-ray interpretation

- Built the **training pipeline and multi-task model architectures** powering **Annalise CXR**, supporting detection of **120+ chest X-ray findings** across classification, attribute detection, and segmentation; the system was subsequently deployed across **250+ Australian radiology clinics**.
- Co-authored research in *The Lancet Digital Health* demonstrating a **45% relative improvement** in radiologists' AUC above chance. A **separate 2024 study of Annalise CXR** showed potential for a **~20%** reduction in radiologist workload.

BTS Digital (Astana, Kazakhstan), Head of Artificial Intelligence

June 2018 – March 2020

Digital innovation arm of Eurasian Resources Group (natural resources holding, 75,000+ employees)

- Built the company's AI function from scratch, leading a team of **15 research and development engineers** across **computer vision, natural language processing, and speech recognition**, and delivering several flagship products:
 - **Digital ID:** facial recognition and anti-spoofing system enabling access to Kazakhstan's e-government services, supporting **2M+ verifications per month**
 - **ASR service:** speech recognition for Kazakhstan's e-government call center automation, supporting mixed bilingual dialogues.
 - **Ainews:** AI-driven news aggregation platform with recommendations and duplicate removal
- Set the roadmap for strategic AI initiatives and built regional talent pipelines through industry-academia partnerships, including Kazakhstan's first AI course and open research seminars.

Selected Earlier Experience

June 2014 – June 2018

- **Kazpost (Astana):** Built an integrated planning system for sales targets and compensation across **3,000+** branches, increasing annual revenue by **8%** (KZT 1.6B / \$5M) through time-series forecasting and performance-based branch clustering.
- **Esculabs (Astana):** Built a computer-vision quality-control system for liver imaging workflows (ultrasound and MRI) used in chronic hepatitis C diagnosis and treatment monitoring.
- **Yandex (Moscow):** Data Science Intern, Safe Search.

RESEARCH AND EDUCATION

PhD in Machine Learning

August 2025 – Present

MBZUAI (Abu Dhabi, United Arab Emirates)

Research interests: Computational neuroscience and EEG decoding; AI for prediction markets and market microstructure.

Advisor: Prof. Steve Liu

- Developed probabilistic event-time models for EEG reaction-time decoding using behavioral latency as weak supervision, improving held-out prediction over scalar-regression baselines; first-author paper accepted in *Neural Computation* (2026).
- Won **1st place** in the EEG Foundation Challenge (NeurIPS 2025, combined two-challenge metric).

Advanced Program in Data Science and Machine Learning

September 2016 – May 2018

Yandex School of Data Analysis (Moscow, Russia)

Selective two-year, master's-level program

MSc in Applied Mathematics and Computer Science

September 2009 – June 2014

Moscow State University (Moscow, Russia)

PUBLICATIONS AND AWARDS

- **Selected Publications (300+ citations)**
 - **Co-author:** "Effect of a Comprehensive Deep-Learning Model on the Accuracy of Chest X-Ray Interpretation by Radiologists: a Retrospective, Multireader Multicase Study", published in *The Lancet Digital Health*, Aug. 2021
 - **First author:** "Behavioral Latency as Weak Event-Time Supervision for EEG Reaction-Time Decoding", accepted for publication in *Neural Computation*, 2026
- **Conference Presentations**
 - **Invited Oral Speaker**, NeurIPS 2025 Foundation Models for the Brain and Body Workshop, San Diego, CA
 - **Invited Oral Speaker**, Conference on Machine Intelligence in Medical Imaging (C-MIMI 2019), Austin, TX
- **Awards and Achievements**
 - **Kaggle Competitions Master** — peak global rank #14; 3 Gold and 6 Silver medals
 - **1st Place**, SIIM-ACR Pneumothorax Segmentation Challenge — one-person team
 - **1st Place**, EEG Foundation Challenge — NeurIPS 2025 Competition Track
 - **Bronze Medal**, Asian Pacific Mathematics Olympiad

TECHNICAL & RESEARCH STRENGTHS

- **Technical:** Python, Machine Learning, Deep Learning, Optimization, Time Series Forecasting, Matching & ETA Systems, Fraud Detection, Production ML.
- **Research Areas:** Computational Neuroscience, EEG Decoding, Market Microstructure, AI for Healthcare, Computer Vision.