

Highlight

Machine Learning Engineer with 7+ years of experience in designing, developing, and deploying scalable machine learning models and AI-driven solutions. Expertise in natural language processing, computer vision, and deep learning. Proven track record of delivering end-to-end machine learning solutions, optimizing AI systems, and integrating ML models into business applications. Experienced in collaborating with cross-functional teams to create impactful AI products.

Core skills

- **Machine Learning & AI:** Supervised Learning, Clustering techniques, Agentic AI, MCP, LLMs, NLPs, Deep Text Analysis, Sentiment Analysis, Video & Image processing, Incident detection, Crowd Analysis, Time series Forecast
- **Cloud & MLOps:** Docker, AWS, OpenVINO edge compute, Kubernetes
- **Data Science:** Data Preprocessing, Feature Engineering, Model Optimization
- **Programming:** Python, C++, QT
- **Databases:** PostgreSQL, Knowledge Graphs (JanusGraph, AWS Neptune), Vector DBs (ElasticSearch, Qdrant), MongoDB, Redis

Highlighted Professional Experience

AI Solutions Engineer

Innoscripta AG (Hybrid | Germany) – Oct 2021 – Jan 2026

- Developed and deployed Agentic AI pipelines for extracting data from European enterprises, leveraging NLP techniques and deep learning models to build a scalable Knowledge Graph solution.
- Led the development of several AI tools for document intelligence (Scanned Invoice Parser, Email analyzer, Timesheet parser), achieving 90%+ accuracy in information extraction.

ML Solutions Engineer

ISSD Bilisim Elektronik (Hybrid | Turkey) – Aug 2018 – Sep 2021

- Designed and deployed a smart incident detection system for tunnels & highways in collaboration with Intel, achieving real-time identification of incidents using optimized machine learning models.
- Collaborated on developing a 3D port container scanner system, integrating ML models to scan logistics containers, optimizing throughput and reducing error rates.
- Worked on a joint project with Huawei to develop a train crossing incident detection system, utilizing object detection models to improve safety at intersections.

Academic Publications

- Incident Detection on Junction Using Image Processing (2021). arXiv preprint arXiv:2104.13437.
- Application of the Neural Network Dependability Kit in Real-World Environments (2020). arXiv preprint arXiv:2012.09602.
- Aiming for Smart Wind Energy (2019). Transactions on Emerging Telecommunications Technologies.

Academic Background

- BSc in Mechatronics & Automation Systems engineering, [Eastern Mediterranean University](#). (2014-2017)

Languages

- English (Fluent)
- Turkish (Native)
- Arabic (Native)
- German (Beginner)