Louis-Kosmas Meta

AI Engineer | lkmeta.com | github/lkmeta | linkedin/lkmeta | louiskmeta@gmail.com

EXPERIENCE

saas.group   Remote, Anywhere
AI Engineer   *Nov 2024 - Present (Ongoing)*
- Driving AI/ML feature integration across SaaS brands, building NLP tools, LLM-powered applications, and scalable solutions to enhance user experience and operational efficiency.

Cogninn   Larissa, Greece
AI Engineer   *Sep 2023 - Aug 2024*
- Led the development of AutoDL, a web platform managing diverse data inputs (images, text, videos, tabular data), and architected ML/DL pipelines, resulting in increased model training accuracy and significant business impact.
- Implemented image processing tasks (classification, object detection, segmentation, OCR) and text analysis functionalities, while adding video object detection and tabular regression capabilities to enhance performance by 15%.
- Deployed RESTful API endpoints using FastAPI and integrated MongoDB and SQLite for effective data storage.

Self-employed   Remote, Greece
Freelancer   *Jan 2023 - Sep 2023*
- Delivered Deep Learning projects using NLP, Computer Vision, and Data Analysis for various clients.
- Instructed over 50 university students in AI, Maths, and Programming, achieving 95% positive feedback and significantly enhancing student performance.

NET2GRID   Thessaloniki, Greece
Embedded Systems Engineer   *Oct 2021 - Jun 2022*
- Collaborated with a 6-member team and developed an embedded firmware library for IoT device ESP32 using C.

Embedded Systems Engineer Intern   *Jul 2021 - Sep 2021*
- Developed a Greengrass Group for IoT devices, connected AWS IoT Core services (IoT Core, Greengrass, DynamoDB, API Gateway, Lambda), and optimized data communication with an MQTT bridge and Keras-based predictive model.

EDUCATION

Master of Engineering (M.Eng.), Electrical and Computer Engineering   Thessaloniki, Greece
Aristotle University of Thessaloniki   *Sep 2017 - Feb 2023*
- Graduated with Great Distinction, GPA: 8.68/10.0 (Top 6%)
- Thesis: System Development for Prediction of Static Analysis Metrics of Source Code

ERASMUS+ Exchange Programme   Madrid, Spain
University Carlos III de Madrid   *Feb 2021 - Jun 2021*
- Courses: Software Development Projects Management, Systems Programming, Microprocessor based digital Systems

PROJECTS

Txtify | **AI-powered audio and video transcription app**   *Jun 2024 - Present*
- Built an open-source web application to transcribe audio and video files to text using AI models like Whisper.
- Achieved high-accuracy transcriptions, multi-language support, and various output formats.
- Tech stack: Python, FastAPI, Whisper, SeamlessM4T, HuggingFace, Docker, JavaScript, DeepL

JoyFill | **NLP-powered sentence enhancement tool**   *Aug 2024*
- Created a sentence enhancement Python application using BERT for text generation and DistilBERT for sentiment analysis, focusing on positive suggestions.
- Integrated secure user authentication, scalable Docker deployment, and performed load testing ensuring stability.
- Tech stack: Python, FastAPI, BERT, DistilBERT, HuggingFace, Docker, Kubernetes, Locust, OAuth 2.0

AWARDS

Scholarship from the bequest Georgios Vrakas   Thessaloniki, Greece
Awarded for academic excellence, receiving a total of €15,000.   *2020 - 2022*

MISCELLANEOUS QUALITIES AND SKILLS

Languages	Greek (Native), Albanian (Native), English (Professional)
Programming	Python(expert), JavaScript, C/C++(prior experience), Java(basic), MATLAB(basic)
Libraries	NumPy, TensorFlow, PyTorch, Pandas, HuggingFace, scikit-learn, FastAPI
ML Techniques	AutoML, Explainable AI, Neural Architecture Search, Federated/Transfer Learning
Technologies	Linux, Git, Jupyter Notebook, AWS, Docker, Kubernetes, MongoDB, MySQL
Other	Familiar with agile project methodologies, e.g. Agile, Scrum.
Interests	Video Editing, Photography, Sports, Volunteering, Cultural Travel