Abdula KALUS

Software Developer | AI Specialist | Data Scientist

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♥ Conegliano, TV

i 24 April 2001, Italo-Macedonian

☐ Portfolio AbKalus io

As a seasoned Software Developer with strong expertise in Python and Artificial Intelligence, I bring a deep passion for building innovative, data-driven solutions. Over the years, I have developed and deployed robust applications across diverse domains, combining solid programming skills with a strong background in machine learning, data science, and automation.

Currently focused on AI engineering and advanced analytics, I am particularly interested in the evolving role of intelligent systems in transforming industries. My goal is to contribute to forward-thinking projects that push the boundaries of what AI and data can achieve — from smart applications to large-scale, scalable systems.

☰ COMPETENCES

Programming Languages	**Python**, **C**, C++, C#, Java, Groovy, R, JavaScript, CSS
Frameworks & Libraries	**Flask**, **FastAPI**, Scikit-learn, **PyTorch**, **Pandas**, Hugging Face (HF), **React**
Databases	**PostgreSQL**, Oracle Database, Microsoft SQL Server (**DDL**, **DML**)
DevOps & Tools	**Git**, **Helm**, Docker, **Kubernetes** (K8s), Red Hat Cluster, ArgoCD, CI/CD
Development Environments	**IntelliJ IDEA**, **Eclipse**, Visual Studio Code
Operating Systems	Windows, **Linux** (**Ubuntu**, Debian)
Machine Learning	Regression, Classification, K-Nearest Neighbors (KNN), Model Fine-Tuning
Artificial Intelligence	Large Language Models (LLMs), Prompt Engineering, Markov Decision Processes (MDPs)
Azure AI Tools	Azure Machine Learning, Cognitive Services, Bot Services, OpenAI API
Other Skills	RESTful API, Web Development, Office 365

💼 PROFESSIONAL EXPERIENCE

Jan 2025 Present

Junior Software Developer | AI Factory, PAT GROUP, Montebelluna, Veneto, Italy
> Developed and optimized advanced AI and ML solutions, including deep learning, NLP, and generative models.
> Managed end-to-end data pipelines, deployed models through APIs and micro-services.
> Built monitoring tools for continuous model evaluation and optimization.
> Collaborated on enterprise-grade AI projects within the Zucchetti Group.
> Contributed to internal research, mentoring, and knowledge-sharing initiatives.

`Python` `FastAPI` `Docker` `Git` `Transformers` `PyTorch` `TensorFlow` `SQL` `MLflow` `CI/CD`

Sep 2024 Dec 2024

AI Developer Intern, ELECTROLUX PROFESSIONAL GROUP, Pordenone, Friuli-Venezia Giulia, Italy
> Developed and implemented AI solutions in collaboration with Data Scientists and AI Engineers.
> Used Jira extensively to manage and optimize AI development workflows.
> Implemented data curation procedures to ensure data quality, integrity, and interoperability.
> Monitored AI system performance and improved model accuracy over time.
> Leveraged Big Data Analytics platforms to manage and analyze large-scale datasets.

`Python` `Pandas` `Scikit-learn` `Jira` `Spark` `Big Data Analytics` `Git` `SQL`

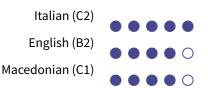|	
Sep 2020 Sep 2021	Catalogue Designer, DAU S.P.A. | COMPUSOFT GROUP | 3CAD , Pieve di Soligo, Veneto, Italy

> Created, updated, and translated kitchen (and wardrobe) catalogues for the WINNER graphic configurator.
> Analyzed paper price lists or existing catalogues to guide development and client alignment.
> Collaborated with clients to ensure catalogue structure matched product specifications and expectations.
> Used Microsoft Excel extensively for catalogue data analysis and mass data imports.

WINNER Configurator | Microsoft Excel | Office Suite | Data Analysis | Client Communication

🌐 LANGUAGES - READING/WRITING

Italian (C2) ●●●●●
English (B2) ●●●●○
Macedonian (C1) ●●●●○

🎤 LANGUAGES - SPEAKING

Italian (C2) ●●●●●
English (B1) ●●●○○
Macedonian (C1) ●●●●○

✚ STRENGTHS

Proactive : Always ready to take initiative.
Flexible : I adapt quickly to new tools, teams, and project requirements.
Teamwork : I collaborate effectively within teams, sharing knowledge, supporting colleagues, and contributing to common goals.

🎓 EDUCATION

Oct 2021 Jul 2024	Bachelor's Degree in Artificial Intelligence and Data Analytics, UNIVERSITY OF TRIESTE, Trieste, Italy

> Calculus and Linear Algebra
> Advanced C, Python and R
> Machine Learning and AI techniques

105/110

Sep 2015 Jul 2020	General certificate of Secondary Education, IIS 'CITTÀ DELLA VITTORIA', Vittorio Veneto, Italy

> Systems and networks (design and configuration of network devices)
> Network protocols
> Imperative programming and object-oriented programming (OOP) techniques
> Proficient in programming languages : C, C++, C, Java, Python
> Web programming : HTML, CSS, JavaScript
> Relational databases