



Personal information

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Featured Project

Full-Stack & Data Developer | Python (Django), React & ML Integration

Live Application: <https://taalumaerp.com>

- Architected and developed a full-scale ERP platform serving real-world business operations.
- Designed and implemented RESTful APIs using Django and built a dynamic frontend with React.
- Engineered PostgreSQL database schema optimized for transactional and analytical workloads.
- Implemented **customer segmentation models using RFM (Recency, Frequency, Monetary) analysis**.
- Applied **ABC analysis** to classify customers/products based on business value contribution.
- Integrated data-driven insights directly into dashboards to support strategic decision-making.
- Deployed and currently managing production infrastructure hosted on Railway.
- Maintaining and optimizing performance in a live production environment.

Tech Stack: Python, Django, React, PostgreSQL, Pandas, Scikit-learn, REST APIs, Railway, Git

Work experience

Dates September 2025 – present
 Occupation or position held Backend Developer
 Main activities and responsibilities

- Developing and maintaining an ERP applications using Python (Django).
- Implementing data-driven features and efficient database queries.
- Optimizing application performance and ensuring responsive design.
- Building robust backend system and interactive API components.

 Name and address of employer Penta S.r.l, Preganziol (TV)
 Type of business or sector Software Development

Work experience

Dates	November 2023 – December 2024
Occupation or position held	Back-end Software Developer
Main activities and responsibilities	<ul style="list-style-type: none">- Developed robust backend system with focus on data management.- Implemented algorithms to process and analyse business data.- Built efficient database architectures for optimal data retrieval.- Collaborated across teams to develop data integration solutions.
Name and address of employer	S.I.R.I. Srl (by Horsa Spa), Scorzè (VE)
Type of business or sector	Software Development

Work experience

Dates	May 2023 – October 2023
Occupation or position held	Back-end Software Developer
Main activities and responsibilities	<ul style="list-style-type: none">- Created data pipelines for processing business metrics.- Implemented reporting system to extract insights from company data.- Optimized database queries for improved performance- Developed and maintained software applications for company projects.
Name and address of employer	Master Italia Spa, San Donà di Piave (VE)
Type of business or sector	Software Development

Work experience

Dates	March 2022 – March 2023
Occupation or position held	Back-end Software Developer
Main activities and responsibilities	<ul style="list-style-type: none">- Developed software solutions for an insurance company focusing on data processing.- Created algorithms to analyze customer and policy data.- Built visualization components for data-driven decision making.- Maintained and optimized code for existing projects.
Name and address of employer	Previnet Spa, Preganziol (TV)
Type of business or sector	Insurance company

Work experience

Dates	November 2019 – February 2022
Occupation or position held	Production unit
Main activities and responsibilities	<ul style="list-style-type: none">- Programmed and monitored machines during production hours.- Ensured quality control throughout the production process- Optimized production workflows to improve efficiency.
Name and address of employer	Dolce Forno, Altivole (TV)
Type of business or sector	Pastries Company

Education and training

Dates	October 2024
Title of qualification awarded	Data Science Course
Name and type of organization providing education and training	Constructor Academy, Zurich (online course)
Course and subjects	Specialized in three key areas: Machine Learning, Deep Learning and Natural Language Processing (NLP)
Projects completed	<ul style="list-style-type: none">- Medical NLP Chatbot: developed a medical assistant using Drugbank dataset and transformer-based models.- Brain tumor detection: created a CNN model to detect and classify brain tumors from MRI images.- Retail location optimizer: built a predictive model to determine optimal locations for new Migros stores.

Education and training

Dates	February 2021
Title of qualification awarded	Diploma in Full stack Software Developer
Name and type of organization providing education and training	Cod Institute, Irland (online course)
Course and subjects	<ul style="list-style-type: none">- Front End Developer in HTML, CSS5(Bootstrap, Materialistic), Javascript (Vanilla js, JQuery)- Back End Developer in Python, Flask, Django, MongoDB, Heroku, Postgress, Amazon Web Service (A.W.S), Stripes- Introduction to Data Analysis with Python (Pandas, Matplotlib, SKLearn, Numpy and Seaborn)

Education and training

Dates	May 2018
Title of qualification awarded	Certificate in Information Technology, Cisco Certified Network Associate (CCNA)
Name and type of organisation providing education and training	International University of East Africa – Uganda, CISCO
Course and subjects	<ul style="list-style-type: none">- Introduction in Web Designing, Graphics Designing, Computer Repair And maintenance- Routing and Switching protocols, Network design methodologies, Network Security, Virtual networking, LAN/WAN technologies and Knowledge of service providers

Education and training

Dates	June 2013
Title of qualification awarded	Certificate of ordinary level
Name and type of organisation providing education and training	Mbezi Beach High School, Tanzania

Personal skills and competences

Mother tongue	English
Other language(s)	Italian (level A2), Swahili
Social skills and competences	<ul style="list-style-type: none">- Good communication skills, collaborative, team spirit, proactive- Trustworthy, serious and diligent person- Adaptation to multicultural environments, openness to different realities.
Organisational skills and competences	<ul style="list-style-type: none">- Sense of responsibility, good attitude to the management of projects and groups.- Give oneself a challenge, curious person, interested in learning more knowledge
Technical skills and competences	<ul style="list-style-type: none">- Data Science: Machine learning, deep learning (CNN), NLP, predictive modelling- Programming: Python, PHP, JavaScript, HTML, CSS- Framework: Scikit-learn, TensorFlow, PyTorch, Keras, Symphony, Django, Flask- Data Processing: Pandas, NumPy, SQL, MongoDB, PostgreSQL- Visualization: Matplotlib, Seaborn, Plotly- Tools: Git, AWS, Heroku, Jupyter Notebooks, Docker
Computer skills and competences	<ul style="list-style-type: none">- Good competences of Office Programs- Good working knowledge of software SugarCRM- Good use of network
Artistic skills and competences	Basketball and Football
Driving licence	B grade driver's licence/Italian

*Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196
"Codice in materia di protezione dei dati personali"*