

SKILLS

Programming Languages	Python, C++, C, Bash, VBA, T-SQL
Frameworks and Tools	SQLAlchemy, Pydantic, FastAPI, Pytest, Numpy, OpenCV, DeepFace, Tensorflow, Keras, Matplotlib, RabbitMQ, Alembic, Async, ANN, CNN, QT, Django, Rest API, Docker, React Native
Concepts & Paradigms	Algorithms, OOP, Data Structures, Functional Programming, Dynamic Programming, Unit Testing, ML Algorithms, Linux, Virtual Machines, Data Analysis, Data Selection and Cross-Validation
Database Knowledge	MySQL, PostgreSQL, Snowflake
Version Control	Git, GitHub, GitLab
Management Tools	Jira, Trello, Confluence, Agile methodology, Scrum, Kanban
Soft Skills	Mentoring, Team Player, Independent Worker, Attention to detail, Analytical and logical thinking, Critical thinking, Time management, Adaptability, Communication, Openness to criticism, Creativity
Languages	Romanian (Native), English (B2 Certified)

WORK EXPERIENCE

Python Backend Developer <i>Capgemini Engineering</i>	08/2022 — Present <i>Romania, Remote</i>
<ul style="list-style-type: none">Technologies: Python, RabbitMQ, SQLAlchemy, Alembic, Docker, PostgreSQL, Snowflake, Pydantic, FastAPI, Pytest, Git, GitLab.Write reusable, testable, and efficient high-quality Python codeImplement and conduct data migrations on two different databasesImplement new features on big datasetsTest and fix bugs from BE side, as well as communicate with other teams regarding different possible solutions to a problem while taking UX into accountCommunicate with the team according to the Agile methodology, providing feedback and updates when requiredProvide immediate support and development of bugs and/or features that are required in the production	
VBA Developer Specialist <i>DRÄXLMAIER Group</i>	10/2021 — 08/2022 <i>Romania, Satu-Mare</i>
<ul style="list-style-type: none">Automation specialist: recreated third-party software for the company in order to customize it and automate various workflowsAnalytics for management: created reports based on internal data and shared insights with the management teamUnderstatement of the "Factor of Risk" for every workflow and minimized itRefactored over 2 weeks of work into 3 hours of monthly/everyday tasks	
Master Data Analyst <i>DRÄXLMAIER Group</i>	01/2021 — 10/2021 <i>Romania, Satu-Mare</i>
<ul style="list-style-type: none">Automated various workflows among two teams with VBAProcessed raw material master data with SAP to uphold the data qualityCreated lists of materials inside TeamCenter and transferred them into SAPEnsured quality of master data in key systems, as well as, development and documentation of processes with other functional data owners to support ongoing maintenance and data integrityWorked closely with the business/IT to ensure alignment of master data rules and the operations of the application meet all requirements of the applicationImproved the efficiency of various tasks by 70%	

PERSONAL PROJECTS

Face Emotion Detection 🔗 Github Link
<ul style="list-style-type: none">Tools used: Python, OpenCV, DeepFaceML Model that uses OpenCV and DeepFace to detect a face from a video or an image, and the current mood
Military Personnel Detection 🔗 Github Link
<ul style="list-style-type: none">Tools used: Python, OpenCV, Tensorflow, Keras, Numpy, Matplotlib, RetinaFaceInspired by the recent events in Ukraine, this ML model detects whether or not a person from a video or an image is military personnel. This can be used as a security measure inside a camera or a drone
Self Driving Car 🔗 Github Link
<ul style="list-style-type: none">Tools used: Python, PyTorch, KivyUsing an experience-replay technique, I've learned about genetic algorithms and the importance of balance between exploration and exploitation

EDUCATION

Bachelor of Mathematics and Computer Science , <i>University of Babeş Bolyai</i>	10/2019 — 06/2023
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