Matei Alexandru Dobre

Computing Science student

✉ dobre.matei.ichb@gmail.com   📱 +31 6 11 46 12 60   📍 Groningen   in linkedin.com/in/matei-alexandru-dobre

ABOUT

Computer science student passionate about AI and tech-society intersections. Proficient in multiple programming languages with software development experience. Seeking challenging roles that align with my values and strong work ethic.

SKILLS

Technical skills: SQL, Python, Machine Learning, Data Analysis, Data Visualization, Predictive Modeling, RAG, Generative AI, Data Preprocessing

Soft skills communication, critical thinking, research skills, attention to detail

WORK EXPERIENCE

Machine Learning Engineer Intern
Zeehondencentrum Pieterburen
02/2022 - 07/2022   *Netherlands*
Achievements/Tasks
- Developed a predictive model for seal survival using blood sample data in collaboration with Zeehondencentrum Pieterburen
- Performed comprehensive data cleaning and preprocessing of multi-format biological datasets
- Created a user-friendly GUI interface to make the machine learning model accessible for practical veterinary application

SQL report developer Intern
Agricover Credit
06/2019 - 09/2019   *Bucharest*
Achievements/Tasks
- Designed and developed comprehensive SQL-based financial reports for agricultural financing operations
- Created data visualizations to transform complex financial data into actionable business intelligence
- Implemented automated reporting solutions to streamline decision-making processes across the organization

EDUCATION

Computing Science, bachelor's degree
University of Groningen
09/2020 - Present   *Groningen*

PROJECTS

Retrieval-Augmented Generation Framework for Intelligent Query (09/2023 - 10/2023)
- Developed a Retrieval-Augmented Generation (RAG) chatbot to improve student access to scattered university information
- Built web scraping and search functionality to retrieve relevant content from university-specific web pages
- Implemented natural language generation capabilities to produce clear, human-like responses to student queries

Sensor Pattern Noise Restoration in Compressed Images Using GANs (04/2025 - Present)
- Researching methods to restore Sensor Pattern Noise (SPN) in compressed images to enhance forensic identification capabilities
- Implementing advanced deep learning techniques to address challenges in digital image forensics and authentication

LANGUAGES

English
Native or Bilingual Proficiency

Romanian
Native or Bilingual Proficiency