

Adămită David-Ştefan

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ABOUT ME

Second-year Computer Science student with programming skills in Python, SQL, C/C++ and proven academic excellence, having ranked first in year one with the highest overall grades. Eager to learn, collaborate, enhance my skills and abilities, and gain valuable real-world software engineering experience.

PROJECTS

LaLiga Football Matches Outcome ML Predictor

Developed a comprehensive machine learning system to predict Spanish LaLiga football match outcomes achieving 67.8% accuracy using advanced statistical modeling and feature engineering. Compared and evaluated multiple algorithms - Logistic Regression, Decision Tree Classifier, and XGBoost - to identify the optimal predictive model. Built an automated data pipeline that scrapes, processes, and analyzes historical match data to generate real-time predictions via an interactive Streamlit web application.

Music Album Review Web App

Developing a Flask-based Music Album Review Web App with a Streamlit Frontend using Python and PostgreSQL for managing data persistence, where users can search for albums (via Spotify API), add reviews and ratings, follow other users, customize their profile and see their friends' recent listening activity. Built RESTful APIs to handle user authentication, reviews, ratings and social interactions.

EU Health Indicators EDA

Conducted an Exploratory Data Analysis of key health indicators across European Union countries using Python and libraries such as Pandas, NumPy, Seaborn and Matplotlib to employ descriptive statistics techniques and data visualization. Integrated data from Eurostat APIs and custom Excel sources, designing and implementing a data pipeline for acquisition, cleaning, and transformation of multi-source data.

EDUCATION

2024 - 2027 (expected)	BSc Economic Informatics (English), Faculty of Economic Cybernetics, Statistics and Informatics, Bucharest University of Economic Studies
2020 - 2024	Mathematics-Informatics, "Vasile Alecsandri" National College, Galati

CERTIFICATIONS

- Python Data Associate (DataCamp)
- Data Scientist Associate (DataCamp)
- Data Engineer Associate (DataCamp)
- Database Design (Oracle Academy)
- Database Programming with SQL (Oracle Academy)
- Data Analyst Associate (DataCamp)
- C2 Proficiency in English (Cambridge)

SKILLS

- Programming:** Python, SQL, C++
- Software:** Git, Visual Studio, Scikit-learn, PostgreSQL, Apache Airflow
- Concepts:** Data Structures & Algorithms, Machine Learning, APIs, Relational Databases, ETL Pipelines, Data Visualization, Operating Systems, OOP, Cloud Computing
- Soft Skills:** Problem-Solving, Teamwork, Attention to Detail, Analytical Thinking, Continuous Learning, Communication, English Fluency