Gabriel-Alexandru Lazăr

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EDUCATION

University Politehnica of Bucharest

Faculty of Electronics, Telecommunications and Information Technology

Bachelor's Degree in Computer Science and Engineering   October 2022 - Expected July 2026

Relevant Coursework:

Operating Systems, Object-Oriented Programming, Data Structures & Algorithms,

Databases, Computer Programming and Programming Languages,

Microprocessor Architecture, Python Programming, Microcontrollers,

Digital Electronics, Linear Algebra, Mathematics Analysis, Statistics & Probability.

PROJECTS

Database Management Platform with MySQL and Spring Boot

Dec 2024

Designed and developed a versatile web-based platform for efficient database management and data visualization. The project features two dynamic applications, built with Spring Boot and JSP, seamlessly integrated with a centralized MySQL relational database. The system organizes and manages complex data structures related to animals and their characteristics, leveraging a many-to-many relationship model for optimized data handling. Key features include intuitive CRUD operations, advanced data filtering, and responsive user interfaces that enhance the overall user experience.

GitHub Repository: https://github.com/GabrielLazar04/database-management-platform.git

BMI Calculator

Jan 2023

Developed a Flask web application using Python to calculate Body Mass Index (BMI). The app takes user inputs for height and weight, computes the BMI, and provides tailored health recommendations. Utilized HTML & CSS for responsive web design and Flask for handling routing and API requests.

SKILLS

Programming Languages & Technologies

- Languages: C, C++, Python, MySQL
- Frameworks & Tools: Flask, Spring Boot, HTML, CSS, MySQL
- Experience with object-oriented programming and data structures
- Proficient in algorithms, including list manipulation and optimization
- Database development and management with MySQL
- Fluent in English, level B2