







# Ștefan-Teodor Iancu

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## SKILLS

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**Languages :** Python, C/C++, Javascript, SQL, Bash, R

**Technologies and Tools :** FastAPI, MySQL, Git, OOP, Linux, REST API, Shell scripting, BeautifulSoup, Pandas, Requests, Pydantic, MyPy, ReactJS, Networking, SerpAPI, HTML, CSS, Basic Cryptography, OpenSSL

## PROJECTS

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- **Dynamic IT Market Analysis Platform** - A scalable platform featuring a REST API using FastAPI (Python) and a ReactJS frontend, integrating data from over 100 real-world IT job market websites. Achieved an 80% reduction in manual job research efforts by automating data extraction and updating processes. Implemented Python-based Web Scraping solutions and utilized a third-party API (SerpAPI) to ensure real-time accuracy and relevance of market insights, providing valuable and up-to-date information on in-demand IT skills and technologies.

 [GitHub Documentation](#)

- **Cryptographic Secured Transfer Tunnel** - Achieved a 90% increase in data protection and file transfer efficiency with a CLI for secure file transfers using Python and C++. Utilized a TLS tunnel for security, implementing cryptographic operations in C++ for high-speed encryption and Python for managing requests and UI. Used RSA for secure key exchange and AES256 for efficient data encryption, providing a secure and reliable communication channel for Unix-based systems.

 [GitHub Documentation](#)

- **Advanced Total Commander** - A user-friendly GUI-based file management tool for Windows, enhancing file navigation efficiency by 60%. Built in C++ using the SFML library, this application offers advanced features such as enhanced RWX permissions, fast search functionality, and comprehensive directory management.

 [GitHub Documentation](#)

- **Personal Website** - This personal website showcases my web development expertise using JavaScript, CSS, and HTML. It features a clean, interactive design that highlights my skills, projects, and career achievements in Computer Science

 [Website Link](#)

## EDUCATION

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**Alexandru Ioan Cuza University**  
Bachelor's of Science, Computer Science

**Iași, România**  
Sep 2023 - Jun 2026

- **Relevant Coursework :** Object-Oriented Programming, Operating Systems, Data Structures, Algorithm Design, Probabilities & Statistics

**Mihail Kogălniceanu Theoretical Highschool**  
Bachelor's of Science, Computer Science

**Vaslui, România**  
Sep 2019 - Jun 2023

- **Relevant achievements :** Olympiads, Computer Science competitions