Rafał Sak

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GitHub: https://github.com/RafalSa

Professional Summary

Ambitious and highly motivated junior developer with a background in automation, electronics, and maintenance. Currently pursuing a degree in programming with a strong interest in Data Science and software development using Python and C#. Experienced in working in industrial environments, problem-solving, and managing projects independently. Actively building technical skills through personal and open-source projects.

Skills

- **Programming**: Python, C#, SQL (★★★☆☆)
- **Frameworks & Tools**: .NET (WinForms, WPF), ASP.NET, Git/GitHub (★★★☆☆)
- **Frontend (basic knowledge)**: HTML, CSS, JavaScript (★☆☆☆☆)
- **Data Science**: pandas, NumPy (★★☆☆☆)
- **APIs**: REST API integration, requests, JSON handling (★★☆☆☆)
- **Databases**: SQLite, PostgreSQL/MySQL (basics) (★★☆☆☆)
- **Security**: SHA256/SHA512 hashing, salting, password verification (★★☆☆☆)
- **Dev Tools**: Visual Studio, Jupyter Notebooks, VS Code (★★★☆☆)

Education

WSB University Merito Chorzów
Engineering in Programming (Oct 2023 – Present)

Nikola Tesla Mechanical and Electrical Technical School, Chorzów
Specialization: Mechatronics (Sep 2017 – Apr 2021)

Languages

- Polish: Native
- English: Intermediate
- German: Basic

Projects

Explore selected projects on GitHub: https://github.com/RafalSa

- EuroExplorer (C#, WinForms, WebView2, SQLite, JSON): A travel assistant desktop app for exploring Europe. Features a secure login system using salted & hashed password verification, editable user profiles (name, password, profile picture), and an interactive world map with Google Maps integration. The application fetches live weather data, geolocation data (device-based), and includes booking functionality for the 5 most popular destinations per country via Booking.com or Airbnb. It also integrates a custom-made API to handle chat features, and stores persistent data using both JSON and SQLite.
- Data Science Notebooks (Python): Machine learning experiments, data visualizations, and classical statistics examples using pandas, matplotlib, and scikit-learn.

Interests

Automotive, Cryptocurrencies, Travel, Technology, Programming.