SANJA SAVIĆ

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PROFESSIONAL SUMMARY

Computer Science & IT graduate with a strong focus on Machine Learning (ML), automated testing, and backend development. Over 4 years of industrial experience in Quality Control, demonstrating exceptional attention to detail and rigorous process validation. Seeking to apply technical proficiency in Python, SQL, and ML algorithms to build reliable, data-driven software solutions.

SKILLS

- Languages: Python (Pandas, NumPy, Scikit-learn), JavaScript, PHP, Java.
- Web Development: React, HTML5, CSS3, Node.js, Express.
- Databases: MSSQL Server, MySQL.
- AI & Tools: RESTful APIs, Ollama (LLM Integration), Machine Learning algorithms, Streamlit, Git/GitHub.
- Soft Skills: QA validation, analytical problem-solving, and advanced time management under pressure.

PROJECTS

1. Machine Learning for Software Defect Prediction (B.Sc. Thesis)
- Description: Developed a predictive model to identify potential software defects, addressing system reliability and quality assurance.
- Technologies: Python, Scikit-learn, Data Analysis.
- Impact: Performed complex data acquisition, cleaning, and feature engineering to optimize model accuracy.

2. Auto Service Reservation Platform
- Description: A comprehensive reservation system featuring administrative roles, JWT authentication, and an interactive booking calendar.
- Technologies: React, Node.js, Express, MySQL.

3. Ollama Chatbot GUI
- Description: Desktop GUI application for interaction with local Large Language Models (LLMs) via RESTful APIs.
- Technologies: Python, RESTful APIs, Generative AI.

4. Sentiment Analysis App
- Description: An NLP-based sentiment analyzer providing real-time text analysis and model interpretation.
- Technologies: Python, Streamlit, Natural Language Processing (NLP).

WORK EXPERIENCE

Dermal R, Kotor Varoš

Production Quality Controller   August 2021. – Present
- Maintains rigorous quality standards and process compliance in a high-volume environment.
- Developed sharp attention to detail and investigative skills, directly transferable to software testing and debugging.
- Balanced full-time employment with academic requirements, proving extreme dedication and work ethic.

EDUCATION

Paneuropean University "APEIRON", Banja Luka (2021. – 2025.)
Bachelor of Computer Science & Information Technologies (240 ECTS)

COURSES

- CS50x: Introduction to Computer Science (Harvard University) – Comprehensive study of computer science fundamentals, algorithms, and data structures.
- Python for Everybody (University of Michigan) – Intensive specialization covering data structures, networked application program interfaces (APIs), and databases using Python.
- Intro to SQL (Khan Academy) – Practical training in relational database management, complex queries, and data manipulation.