

Dimitrije Matijasevic

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ICT Engineer with experience in a dynamic startup environment, leveraging Python, SQL, Linux, and Amazon AWS to analyze, visualize, and optimize data-driven solutions. Proficient in object-oriented programming with C++, signal processing, and working with hardware tools like oscilloscopes and generators. Skilled in designing and implementing automated workflows, integrating AI models, and applying insights from data analysis to drive innovation. Experienced in network fundamentals, internet applications, and the architecture of information and communication systems. Team-oriented professional with strong analytical and problem-solving skills, attention to detail, and a passion for delivering impactful results across diverse IT domains.

Education

2021 – PRESENT

Bachelor of Electrical Engineering and Computing with specialization in Information and Communication Technologies | University of Belgrade, School of Electrical Engineering, ETF | Belgrade, Serbia

Skills

Specializations: Data Science and Analysis, AI Models, AWS, Object-Oriented Programming, Data Visualization, Data cleaning, Network Security, Wireless Communication Systems, Cloud Computing, Embedded Systems, IoT, Machine Learning for Network Optimization, Cybersecurity Principles, 5G and LTE Technologies, Protocol Development • **Programming Languages and Tools:** Python, SQL, C, C++, MATLAB, Octave, AWS (EC2,S3), Raspberry Pi, Jupyter Notebook, HTML • **Soft Skills:** Critical Thinking, Team player, Time Management • **Languages:** Fluent in English, Serbian, Croatian; Work Proficient in German (B1 in Reading, Writing, and Speaking; A2 in Listening; DSD I)

Projects

Automated Plant Watering System: Developed an automated plant watering system using Raspberry Pi and Python, integrating a moisture sensor to monitor soil hydration levels and control a water pump accordingly. The project optimized water usage by ensuring plants received precise hydration only when needed, demonstrating skills in IoT, sensor integration, and programming.

Visualizing the Pandemic: Created a comprehensive data visualization project analyzing COVID-19 deaths and vaccination rates using Tableau. The project involved cleaning and preprocessing raw datasets to ensure accuracy, then designing interactive dashboards to identify trends and insights, displaying expertise in data analysis and visualization.

Experience

SEPTEMBER 2024 – OCTOBER 2024

Data Scientist | Internship | Alpha GPT Labs | Belgrade, Serbia

Optimized and fine-tuned hyperparameters for LSTM models in Alpha GPT Labs startup, achieving a 30% improvement in prediction accuracy compared to the previously used Prophet model. Developed and automated workflows for data preprocessing, visualization, and analysis using Python, SQL, and Jupyter Notebook. Integrated Amazon AWS to streamline data storage and processing, enhancing scalability and efficiency. Contributed to the implementation of AI-driven solutions, focusing on improving model performance and reducing manual intervention. Delivered actionable insights and visual reports to the CEO, enabling data-driven decision-making, and driving innovation within the team.

MAY 2021 – JUNE 2024

Executive Assistant | Internship | VITAN pumpe d.o.o. | Belgrade, Serbia

Provided comprehensive administrative support, including maintaining detailed records and inventory management using Excel. Oversaw packaging and shipment of parts, ensuring timely delivery and accurate order fulfillment. Coordinated with couriers to streamline logistics and handled diverse assistant tasks to support daily operations efficiently.