

Dimitrije Matijašević

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Electrical Engineering student with expertise in time series forecasting, automation, and AI modeling. Proficient in Python, SQL and Jupyter Notebook for predictive analytics and model optimization. Experienced in LSTM, Prophet, and workflow automation to enhance decision-making.

Education

2021 – PRESENT

Final Year Student 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

Technical Skills: Data Science and Analysis, AI Models, AWS, Object-Oriented Programming, Data Visualization and Cleaning, IoT, Machine Learning for Network Optimization, 5G and LTE Technologies

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, 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 pompe d.o.o. | Belgrade, Serbia

- Maintained detailed records and performed data analysis in Excel to track operational performance.
- Provided administrative support and assisted in streamlining logistics and inventory management.
- Compiled reports and presentations in PowerPoint to support management decisions.

References

Alpha GPT Labs • Vuk Radojević • +1 (347) 8222-4880

VITAN pompe d.o.o. • Tomislav Bekić • +381 60 7292002