

# ALEKSA LJUJIĆ

STUDENT

## CONTACT

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## ABOUT

I am a fourth-year student at the Faculty of Organizational Sciences, majoring in Information Systems and Technologies. With a deep passion for artificial intelligence and machine learning, I am driven by their transformative potential to solve complex problems, uncover valuable insights, and shape the future of technology. My goal is to become a highly skilled professional in AI and ML, leveraging innovative solutions to tackle real-world challenges and contribute meaningfully to technological advancement. I am eager to collaborate, learn, and continuously push the boundaries of what these technologies can achieve.

## EXPERIENCE

### Integration Architect Internship

February 2023 - August 2024

#### STADA GIS Serbia

- **SAP** - Acquired foundational knowledge of SAP environments, and basics about ERP systems.
- **Enterprise Architecture** - working with an enterprise and solution architect on daily basis, helped me to learn a lot about architecture frameworks, design principles, and planning solutions.
- **LeanIX** - Maintaining and ensuring the accuracy and quality of data related to interfaces.
- **Data Analytics** - Worked with data and created visualizations in the Power BI environment.
- **Architect** - Designed data flow diagrams related to interfaces.
- **More project participations** - SAP Trading Partner Management and API Management in SAP Integration Suite environment.

## RELEVANT PROJECTS

- **Deepfake Detection Using Lightweight CNNs**
  - **Python, scikit-learn, MobileViT, MobileNetV3** — Trained lightweight convolutional models on combined FaceForensics++, CelebV1, and CelebV2-DF datasets to detect manipulated facial videos with high accuracy and efficiency.
- **Sberbank Housing Price Prediction (Machine Learning Project)**
  - **Python, scikit-learn** — Implemented a regression model on the Kaggle Sberbank dataset to predict apartment prices using feature engineering and model optimization.
- **Intelligent Weather Prediction (Neural Networks)**
  - **PyTorch, Pandas, NumPy** — Built a neural network to predict mean temperatures from historical weather data using pressure and daily variation features.
- **Student Performance Predictor**
  - **Python, scikit-learn** — Developed a model to forecast student exam results through data preprocessing and predictive analytics.
- **Medical Record Management System (Web Application)**
  - **TypeScript, React, Laravel** — Created a role-based web app for managing patient records with secure authentication and access control.
- **Aleksa GPT**
  - **Python, Streamlit, OpenAI API** — Built an interactive Streamlit app that summarizes and answers questions about my CV content.
- **Pharmacy Billing System (Client-Server Application)**
  - **C#, .NET, SQL** — Developed a local client-server application for managing pharmacy billing and inventory, using socket communication for data exchange and efficient transaction handling.

## STUDENT ORGANIZATIONS

- **Member - Student Organization FONIS** October 2022 - Present
  - HR (Project C2S), Design (S2S), Logistics (HZS), Corporate Relations (S2S)
- **Member - Student Union, Faculty of Organizational Sciences** October 2023 - November 2024
  - IT & Design for DP, GreenWay, Sport Bizz, KSON

## EDUCATION

### TECHNICAL SCHOOL, ČAČAK

September 2017 - June 2021

- Field of Informational systems and technologies

### FACULTY OF ORGANIZATIONAL SCIENCES

October 2021 - Present

- Field of Informational systems and technologies

## SKILLS

- **Programming:** Python, Java, C#, C, SQL
- **Data Science & AI:** scikit-learn, PyTorch, Pandas, NumPy, Tableau, Power BI
- **Web Development:** HTML, CSS, JavaScript, ASP.NET
- **Software & Tools:** Jupyter, Git, VS, Excel, PowerPoint, Photoshop
- **Networking & Architecture:** SAP (basic), LeanIX, API Integration
- **Soft Skills:** Critical Thinking, Problem-Solving, Time Management
- **Languages:** English (fluent), Serbian (native)