

# Dzianis Sudkou

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## EDUCATION

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**University of Cagliari** September 2022 — July 2026  
*Bachelor of Science, Computer Science (Expected July 2026)* Cagliari, Italy

- Relevant Coursework: Data Structures, Operating Systems, Program Development, Linear Algebra, Discrete Mathematics, Principles and Practice of Comp Sci

**University of Tübingen** October 2024 — February 2025  
*Erasmus Exchange, Computer Science* Tübingen, Germany

- Contributed to research on the Effekt programming language
- Developed route planning solution at university hackathon

**Minsk Radioengineering College BSUIR** September 2018 — March 2022  
*Technical Diploma, Radioelectronic Equipment Design* Minsk, Belarus

- Relevant Coursework: Digital Electronics, Microcontrollers, Circuit Design, Technical Drawing, Applied Mathematics

## WORK EXPERIENCE

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**AI/ML Trainee** November 2025 — Present  
Greenshare srl Cagliari, Italy

- Extending existing GNN model to Federated Learning architecture on AWS instances for privacy-preserving predictions
- Developing interactive Streamlit dashboard for public transport decision support
- Collaborating with technical and academic supervisors on AI solutions for Local Public Transport

**AI/ML Intern** August 2025 — October 2025  
Greenshare srl Cagliari, Italy

- Built Graph Neural Network to predict public transport passenger flows
- Analyzed real-world transit data including GPS traces and ticketing records using Pandas and NumPy
- Implemented ML pipeline using PyTorch, PyTorch Geometric, Kedro, MLFlow, and Optuna for experiment tracking and hyperparameter optimization

**Electrical Engineer** March 2021 — March 2022  
Electrum Minsk, Belarus

- Designed electrical systems and schematics using AutoCAD, ensuring compliance with industry standards
- Developed and programmed microcontroller-based solutions for electronic devices
- Collaborated with cross-functional teams to diagnose and resolve technical issues

## EXTRACURRICULAR ACTIVITIES

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**CyberChallenge.IT** March 2023 — June 2023

- Completed national cybersecurity training program organized by University of Cagliari
- Trained in cryptography, web security, binary exploitation (pwn), and reverse engineering
- Participated in regional CTF competition as program finalist

## SKILLS

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- Languages:** Python, Go, C, Java, JavaScript, Kotlin, Scala, SQL, HTML/CSS
- AI/ML & Data:** PyTorch, PyTorch Geometric, Flower, Pandas, NumPy, MLFlow, Optuna, Kedro, Matplotlib
- Tools & Infrastructure:** Docker, Git, Linux, PostgreSQL, AWS (EC2, S3, KMS), Streamlit, Jupyter
- Web:** Vue.js, Express.js, ASP.NET, WebSockets