



# DENIS ŠIFRA

BACHELOR STUDENT OF CYBERSECURITY  
AT TECHNICAL UNIVERSITY OF KOSICE

## CONTACT

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## LANGUAGES

- Slovak (Native speaker)
- English (Fluent)
- German (Basics)

## INTERESTS

- Programming & cybersecurity
- Electronics and hardware projects
- 3D modeling & additive manufacturing
- Continuous learning in IT technologies
- Cycling

## PROFILE

Cybersecurity student with a strong passion for IT technologies, programming and problem solving. Actively developing skills in software development and information security while gaining hands-on experience through personal technical projects.

In my free time, I focus on electronics, electrical engineering, 3D modeling and 3D printing, continuously expanding my practical and analytical abilities. I am motivated, detail-oriented and eager to grow as an IT professional.

## WORK EXPERIENCE

**Algorithmics Slovakia** 2023 - PRESENT  
Teacher (Part-time)

- Deliver programming courses covering Python fundamentals, algorithms and computational thinking for young students.
- Explain complex technical concepts in a clear and accessible way tailored to beginners.
- Guide students through hands-on coding projects, strengthening their logical reasoning and debugging skills.

**DPD** May 2025 - Sep 2025  
Delivery Driver (Part-time)

- Maintained accurate records of deliveries and payments using company systems.
- Developed strong communication skills through daily interaction with customers.
- Worked independently in a fast-paced environment requiring reliability and accountability.

**Wolt Slovakia** June 2022 - Aug 2024  
Delivery Driver (Part-time)

- Managed time-sensitive deliveries in a fast-paced urban environment.
- Used mobile applications for order management, navigation and communication.
- Worked independently with strong time management and organizational skills.

## EDUCATION

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● **Technical University of Košice,** 2023 - Present  
**Faculty of Electrical Engineering and Informatics,**  
**specialization: Cybersecurity**

Bachelor's Thesis: RFID-Supported Interactive Quiz System

- Analyzed the OpenLab infrastructure and identified required API interfaces for integration with interactive system components.
- Evaluated RFID-based student identification methods using ISIC cards, including hardware and communication protocols.
- Designed a secure and scalable architecture for an interactive quiz system integrated with RFID authentication.
- Implemented a functional prototype combining RFID reader hardware, backend logic and quiz management system.
- Developed technical documentation in accordance with faculty standards.

● **Secondary School of Electrical Engineering** 2019 - 2023

**Specialization: Computer Networks and Information Technologies**

- Studied computer networking fundamentals, including TCP/IP, routing and basic network configuration.
- Gained practical experience in configuring local area networks (LAN) and troubleshooting network issues.
- Learned programming fundamentals (algorithms, data structures, object-oriented programming).
- Worked with databases and basic SQL queries.
- Developed foundational knowledge in operating systems (Windows and Linux).
- Participated in technical laboratory exercises focused on hardware and system configuration.

## SKILLS

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### Technical Skills

#### Programming

- Python
- C
- Java
- SQL
- HTML
- CSS

#### Cybersecurity

- Network fundamentals
- Basic cryptography principles
- Secure coding practices
- Understanding of common vulnerabilities
- Linux basics

## **Tools & Technologies**

- Git
- MySQL
- Windows
- Linux
- Advanced networking
- MS Office: Word, Excel, Powerpoint, Outlook
- Web Services
- UML
- XML
- SCRUM methodology

## **Hardware & Technical skills**

- Electronics fundamentals
- Microcontrollers
- Soldering
- Technical 3D modeling - Autodesk Fusion
- 3D printing - FDM technologies
- Basic device repair - mobile phones, laptops, electronic accessories

## **Soft Skills**

- Analytical thinking
- Problem solving
- Self-learning ability
- Attention to detail
- Time management
- Team collaboration
- Ability to explain technical concepts clearly (teaching experience)

## **Certifications**

- State Language Examination in English - C1
- CCNA 1
- CCNA Security