





# BC. RÓBERT RUMAN

I'm a naturally curious and adaptable person, currently studying Information Security. I enjoy learning new things, especially when it means solving real problems or helping others. I work well with people, stay calm under pressure, and adapt quickly when things change. Whether I'm working on my own or as part of a team, I try to stay open, reliable, and always ready to learn something new.

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Andovce, Slovak Republic 

Date of birth: 29. 6. 2001 

## SKILLS

Java  
Python  
Cisco Certified Network Associate (CCNA)  
C  
Mac OS  
Microsoft Windows  
Linux  
MikroTik  
IT security  
Apache HTTP Server  
Cryptography  
SQL

## LANGUAGES

English  
Upper intermediate (B2)  
Czech  
Elementary (A2)  
Slovak  
Advanced (C1)  
Hungarian  
Proficiency (C2)

## DRIVING LICENSE



## WORK EXPERIENCE

### BACHELORS THESIS - APACHE MODULE FOR THE DOS ATTACK MITIGATION BUT / BRNO, CZECH REPUBLIC / OCTOBER 2022 - MAY 2023

- Analyzed existing solutions for mitigating Slow DoS attacks (Slowloris, Slow Read, RUDY, etc.) on Apache.
- Designed and implemented a custom Apache module to detect and block Slow DoS attacks using methods like request rate limiting and IP blacklisting.
- Conducted unit, integration, functional, and performance testing.
- Validated effectiveness with simulated attacks and visualized results.
- Compared with existing tools and documented installation and usage instructions.

## EDUCATION

### THE FACULTY OF ELECTRICAL ENGINEERING AND COMMUNICATION Information security Brno University of Technology / Brno, Czech Republic / June 2020 - September 2023

Theoretical foundations and expertise in the field of cryptography, computer security, network security; knowledge of the principles of data networks, protocol sets, properties of various types of networks, the Internet and its services, basic overview of passive and active network components and their advantages and disadvantages, knowledge and ability to describe the principles and internal architecture of active elements of communication networks.

### THE FACULTY OF ELECTRICAL ENGINEERING AND COMMUNICATION Information security Brno University of Technology / Brno, Czech Republic / September 2023 - Currently

Continuing studies in the field of Information security.

### SPŠE S. A. JEDLIKA V NOVÝCH ZÁMKOCH

Electrotechnics  
Nové Zámky, Slovak Republic / September 2016 - June 2020

Fundamentals of electrical engineering and programming in C, C++, Python and Java.

## COURSE OR CERTIFICATE

### ECDL

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Computer security basics, Certified use of Microsoft Office software



## **CCNAV7: INTRODUCTION TO NETWORKS**

Cisco / September 2022 - January 2023

The architectures, models, protocols, and networking elements that connect users, devices, applications and data through the internet and across modern computer networks - including IP addressing and Ethernet fundamentals. Building simple local area networks (LANs) that integrate IP addressing schemes, foundational network security, and perform basic configurations for routers and switches.

## **CCNAV7: SWITCHING, ROUTING, AND WIRELESS ESSENTIALS**

Cisco / January 2023 - May 2023

The second course in the CCNA curriculum focuses on switching technologies and router operations that support small-to-medium business networks and includes wireless local area networks (WLANs) and security concepts.

Key switching and routing concepts. Ability to perform basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN.