



Radu Matei

Telecommunications engineer, M.Sc. student in electronic and communication systems

Braşov, Romania · +40 742 377 869 · ramatei@gmail.com

linkedin.com/in/radu-matei-1251172b3 · github.com/Radu-24

EDUCATION

M.Sc., Integrated Electronic and Communication Systems (SECI) 10.2026 – 07.2028 (expected)
Transilvania University of Braşov, Faculty of Electrical Engineering and Computer Science

B.Eng., Telecommunication Systems and Technologies 10.2022 – 2026
Transilvania University of Braşov, Faculty of Electrical Engineering and Computer Science

- Thesis: *DataLink Rover*, graded 9.00/10 (details under Projects).
- Relevant courses: telecommunication systems, signal processing, microcontrollers, computer networks. Tools used: MATLAB, OrCAD, AutoCAD.

EXPERIENCE

Siemens Energy, Petrobrazi Refinery 07.2025 – 08.2025
Intern, PRAM Department Brazi, Romania

- Helped troubleshoot and test protection relays on the refinery's power distribution network.
- PLC and HMI programming tasks.
- Supported a SCADA server restart and the relay tests that followed it.
- Took part in testing 6 kV and 0.4 kV switchgear cells.

PROJECTS

DataLink Rover | Python Bachelor's thesis, 2026

- Tracked robot I designed and built alone, from the electronics to the control software.
- Remote-controlled, streaming FPV video and live telemetry to the operator.

Password Helper | Electron, Node.js, MongoDB, Docker

- Desktop app that rates password strength with zxcvbn and checks HaveIBeenPwned for known breaches; the vault backend uses JWT authentication.

SKILLS

Networking	TCP/IP, VLANs, routing and switching, VPN; MikroTik RouterOS, Cisco IOS
Security	Penetration testing, vulnerability analysis, security auditing
Industrial	Protection relays, PLC/HMI, SCADA, MV/LV switchgear testing
Programming	Python, C/C++, Java, JavaScript (Node.js, Electron), HTML/CSS
Tools	Linux terminal, Windows, VMware, Docker, Git, MATLAB, OrCAD, AutoCAD, Arduino, Raspberry Pi
Languages	Romanian (native), English (B2–C1)

VOLUNTEERING

Youth Hub AUSF 10.2021 – 11.2021
Volunteer: supported activities at a children's home, mentoring the kids, and took part in AUSF workshops Ploieşti

Asociația Diabeticilor din Prahova 10.2019
Volunteer at The Fun Ride, a community bike event for diabetes awareness Ploieşti

OTHER

Courses Cybersecurity course, GoIT Romania (09.2024 – 2025)
Cisco CCNA 1, Telecom Academy (in progress)

Interests Tennis