

# Ravi Sanghani

Cybersecurity & 5G Engineer · ISO/IEC 27005 Risk Assessor · CISSP Training

ravisanghani.com · linkedin.com/in/ravi-sanghani · Turku, Finland · Open to Work

## PROFILE

Fresh ICT Engineering graduate specialising in network security and 5G. Built and validated a private 5G Standalone Core testbed using Cumucore and Nokia gNB, the first of its kind at Turku UAS. Experienced in ISO/IEC 27005 risk assessments, Linux/RHEL infrastructure, Proxmox/Docker/Ansible, and blockchain architecture. Former Google Developer Student Club Lead. Available for cybersecurity, network security, or 5G engineering roles in Finland.

## EXPERIENCE

### 5G Core Network Engineer (Internship) May – Jun 2025

*Autonomous & Intelligent Systems (AIS) – Turku University of Applied Sciences*

- Configured and troubleshot IP networks in a live 5G Core lab working directly with Nokia Networks engineers.
- Managed Proxmox virtualisation clusters and Docker containers; reduced setup time via Ansible automation.
- Contributed to documentation and deployment prep for real-world 5G research projects.

### Thesis Worker – 5G Standalone Core Testbed Aug – Dec 2025

*Turku University of Applied Sciences*

- Designed, deployed & validated a 5G SA Core environment, first of its kind at Turku UAS, integrating Cumucore with Nokia gNB in a physical lab.
- Achieved successful UE registration, 5G-AKA authentication, and end-to-end PDU session connectivity.
- Published thesis on Theseus as an open academic resource for Finnish universities.

### Capstone Project Manager – IOTCHAT Aug – Dec 2025

*Turku University of Applied Sciences*

- Led 9-person multidisciplinary team to deliver an AI-powered IoT conversational interface on time.
- Managed customer comms, sprint planning, workload distribution, and QA throughout delivery.

### Advanced Information Security Risk Management Feb – May 2025

*Turku University of Applied Sciences*

- Conducted ISO/IEC 27005 risk assessments for real local organisations under expert supervision.
- Delivered risk reports with severity ratings and remediation recommendations.

### GDSC Lead Jul 2023 – Jun 2024

*Google Developer Student Club – Turku UAS*

- Launched and led the inaugural GDSC chapter at Turku UAS, growing membership from zero.
- Organised technical events connecting students with industry and Google technologies.

### Site Supervisor · Facilities Services Supervisor Jun 2023 – Present

*SOL*

- Supervised daily operations for a team of 6; promoted from Facilities Services within 12 months.
- Maintained zero safety incidents while completing a full-time engineering degree in parallel.

### Founder Mar 2022 – Present

*Decentrame*

- Founded Web3 platform for decentralised services; led product dev, community & events for 3+ years.
- Applied Solidity, Ethereum, and Hyperledger to working, deployable blockchain applications.

## SKILLS

### 5G & Networking

- 5G Core / SA
- Nokia gNB
- IP Networking
- Proxmox
- Docker
- Ansible
- Routing

### Cybersecurity

- Network Security
- ISO/IEC 27005
- CISSP Training
- Risk Assessment
- Info Security Testing

### Systems

- Linux / RHEL
- Red Hat I & II
- Git
- AWS
- GCP

### Blockchain / Web3

- Solidity / Ethereum
- Smart Contracts
- Hyperledger
- DApps

### PM & Leadership

- Project Management
- Team Leadership
- Public Speaking

## CERTIFICATIONS

Red Hat Sys Admin I & II Jun 2025

Foundation Cert in PM – PRY May 2025

Info Security Testing – TryHackMe Mar 2025

CISSP Training – Metropolia UAS Dec 2023

Linux Essentials – Cisco Dec 2024

IBM Blockchain Essentials Aug 2022

## EDUCATION

### B.Eng. ICT – Data Networks & Cybersecurity

*Turku UAS · 2023 – 2025*

### CISSP Training

*Metropolia UAS · Nov – Dec 2023*

### Cloud Computing

*IIT, Kharagpur · Jul – Oct 2022*

### Cryptography and Network Security

*IIT, Kharagpur · Jul – Oct 2022*

## LANGUAGES

English – Full professional proficiency

Finnish – Elementary proficiency

## PUBLICATION

*Developing and Validating a 5G Core Test Environment Using Cumucore*

Theseus, 2025