

YOUNES KORBI

Engineering Student in Computer Science & Telecommunication

@ korbi.younes@yahoo.com

📍 Sousse, TUNISIA

🌐 linkedin.com/in/younes-korbi



EDUCATION

Engineering Diploma in Telecommunication

ISITCom- Sousse

📅 2023 – Ongoing

B.S. in Computer Engineering, specializing in Embedded Systems & IoT

ISITCom- Sousse

📅 2020 – 2023

EXPERIENCE

Wireless & Computer Networks Research Engineer

FlexNGIA

📅 February 2023 – Ongoing

📍 Remote

Technical Contributions

- Developed and integrated Linux kernel modules for real-time TCP performance monitoring and 802.11 Wi-Fi network emulation
- Conducted experiments on TCP congestion control schemes using Linux-based tools under realistic wireless conditions, including mobility, interference, and handover
- Configured virtual wireless interfaces and enhanced emulations with Wmediumd to simulate frame loss, delay, and interference for accurate network analysis
- Automated data visualization using Python and GNUplot for high-quality metric presentation

Research and Academic Contributions

- Investigated TCP performance under diverse wireless conditions to identify the optimal variant
- Published findings in peer-reviewed journals and conferences, including a paper in *IEEE Access*
- Collaborated with academic researchers on wireless network performance projects

Full Stack Web & ODOO Developer - *Internship*

Optimal Solution

📅 June 2022 – August 2022

📍 Sousse, Tunisia, onsite

- Simplified data retrieval and interaction with ODOO entities for both the company and developers by designing and implementing a RESTful API
- Integrated the developed API into a Django backend for a marketplace project
- Enabled greater independence and flexibility in managing data through the RESTful API, enhancing the usability of ODOO services

PUBLICATIONS

📄 Journal Articles

- Y. Korbi, M. F. Zhani, and J. Kaippallimalil, "Congestion control in wi-fi networks—state of the art, performance evaluation, and key research directions," *IEEE Access*, vol. 12, pp. 94 972–94 989, 2024. DOI: 10.1109/ACCESS.2024.3425271.

SKILLS AND TOOLS

- Linux-based Systems

Ubuntu

Linux Kernel

Kernel & Module Compilation

Shell Scripting

Packaging

Network Administration

- Computer Network Emulators and Tools

SDN Networks

Mininet & Floodlight

Wireshark

TCP & UDP Sockets

- Programming Languages and Version Control

C & C++

Java

Python

JavaScript

Git

COMPETITIONS

- *La Nuit de l'Info* – November 2023 – Participated
- *Litech* – December 2021 – Participated

VOLUNTEERING

Center Assistant Head

Independent High Authority for Elections

📅 2022 – Ongoing

📍 Tunisia

Vice President of University Club

Isitcom Google Club

📅 2021 – 2023

📍 Sousse, Tunisia

LANGUAGES

English

Arabic

Frensh