



Anas Bougraine

Telecommunications Systems and Networks Engineering

I'm an engineering student at ENSA Tétouan, majoring in Network, Telecommunications, and Cybersecurity. I'm passionate about DevOps, cybersecurity, and emerging technologies, with some experience in machine learning, deep learning. My goal is to use my skills to create innovative solutions for complex tech challenges.

Contact

- Phone** +212 6 33 09 31 28
- Email** anassbougraine644@gmail.com
- Github** <https://github.com/ANASSBOUGRAINE212>

Education

2020 - 2027
Telecommunications Systems and Networks Engineering
École Nationale Supérieure d'Applications (ENSA), Tetouan

2019-2020
bacalaureat science math A

Expertise

- Languages:** JavaScript, TypeScript, Java, Python, MATLAB, Shell, HTML, CSS
- Web Development:** React, Vite, Tailwind CSS, Node.js, Express.js, Flask
- Databases:** MySQL, MongoDB
- DevOps & Tools:** Docker, Jenkins, Git, GitHub
- Testing & Security:** Jest, Playwright, Vitest, JWT, bcrypt, CORS, Helmet
- Networking & Systems:** TCP/IP, Routing & Switching, VLAN, Linux
- Machine Learning & Deep Learning :** TensorFlow, Scikit-Learn, NumPy, Pandas, Matplotlib, Neural Networks
- Telecommunications:** LabVIEW, VHDL

Language

- Arabic
English
French

Experience

Academic Projects

Network Intrusion Detection System

Real-time cyber attack classifier using ML/DL ensemble models. Detects 15 attack types with 97%+ accuracy. Features auto-retraining and specialized rare-attack detection.

- Technologies:** Python, Jupyter Notebook, Scikit-learn, Pandas, Matplotlib, ML/DL, TensorFlow, Flask, JavaScript, html, CSS, Git, Github

MODEM QAM Conception Implementation

Implemented a CDC Modem with QAM for efficient data transmission, utilizing Python for simulation and analysis.

- Technologies:** Python, Jupyter Notebook, Signal Processing, Modulation Techniques

ChriOnline

Developing a Java-based e-commerce application called ChriOnline using a client-server architecture with TCP/UDP sockets. It allows users to register, browse products, manage a shopping cart, and place orders with a simulated payment system.

- Technologies:** java, MySQL, TCP/UDP socket, JDBC

Personal Projects

HealthNexus

Healthcare management system with symptom checker, doctor verification workflow, appointment scheduling, and patient management. Features dual-database architecture, real-time availability tracking, and containerized deployment.

- Technologies:** React, TypeScript, Vite, Node.js, Express, MySQL, MongoDB, Prisma ORM, JWT, Docker, TailwindCSS, Jest/Playwright testing, bcrypt, Git, Github

Certification



IBM Cloud
Essentials