Zaineb Chakroun

Electronics of Communication Systems Engineering Student

✉ zainebchakroun17@gmail.com   📞 +216 20301115   in Zaineb Chakroun

PROFESSIONAL SUMMARY

Final-year engineering student at ENET'COM, specializing in Electronics of Communication Systems Engineering, motivated and creative. I am eager to learn, acquire new knowledge, and broaden my experience.

PROFESSIONAL EXPERIENCE

TELNET HOLDING   07/2025 – 08/2025 | Sfax, TUNISIA
INTERN
- Built a mobile authentication application using QR codes and NFC.
- Implemented a backend exposing secure APIs for verification and access control.
- Developed an admin interface for user management.
- Ensured data persistence and full audit logging of all operations in a database.

Tools : Kotlin, Java EE, Android Studio, IntelliJ IDEA, Tomcat, Postman, MySQL, Git, Bitbucket.

SFAX-THYNA AIRPORT   07/2024 – 07/2024 | Sfax, TUNISIA
INTERN
Observed and assisted air traffic control operations, coordinated communication between pilots and controllers, performed ground checks and inverter testing.

ADVANCED ELECTRONIC SYSTEMS AND SUSTAINABLE ENERGY   06/2024 – 06/2024 | Sfax, TUNISIA
LABORATORY
INTERN
Developed a game using reinforcement learning.

Tools : Python, Anaconda, GitHub.

EDUCATION

National School of Electronics and Telecommunication of Sfax   09/2023 – Present | Tunisia, Sfax
(ENET'COM)
ENGINEERING DEGREE IN ELECTRONICS OF COMMUNICATION SYSTEMS

Preparatory Engineering Institute of Sfax (IPEIS)   09/2021 – 06/2023 | Tunisia, Sfax
PREPARATORY CYCLE FOR ENGINEERING STUDIES PHYSICS-TECHNOLOGY (PT)

Secondary School Hedi Soussi   09/2017 – 06/2021 | Tunisia, Sfax
BACCALAUREATE IN TECHNICAL SCIENCES

PROJECTS

FINAL-YEAR PROJECT : INTELLIGENT MONITORING AND DETECTION SYSTEMS FOR ANALYSIS AND PREVENTION
- Designed an intelligent system to detect early epileptic seizures, falls, and distress screams.
- Used advanced AI techniques: YOLOv8 for computer vision and MediaPipe for real-time tracking.
- Implemented real-time alerts with a blinking LED for visual signaling.

Tools : Python, PyCharm, AndroidStudio, Raspberry Pi.

SIMON SAYS
- Developed an interactive memory game featuring LED sequences and push-button inputs, with real-time feedback on an LCD display.
- Implemented progressive difficulty levels and game logic.

Tools : STM32, C, I2C, GPIO, LCD Display.

WEATHER STATION
- Designed a complete ESP32-based weather station integrating temperature, humidity, pressure and wind.
- Developed schematic and PCB layout.

Tools: Altium Designer, SnapEDA.

LANGUAGES

ENGLISH   **FRENCH**   **ARABIC**
Full professional proficiency.   Full professional proficiency.   Native.