

ACHRAF TRIKI

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EDUCATION

National Institute of Applied Sciences and Technology

Sep 2020 - Sep 2025

Computer network and telecommunications engineering degree

EXPERIENCE

Data Science Intern

Jul 2024 - Sep 2024

Manipal Institute Of Technology (MIT) India

- Developed an AI-driven system to analyze data from devices in a smart city prototype.
- Applied machine learning and deep learning algorithms to detect cybersecurity risks in connected devices.
- Created an interactive user interface using Flask to display cybersecurity predictions for enabling faster decision-making for cybersecurity teams

Mobile Developer Intern

Jul 2023 - Sep 2023

Telnet Holding

- Designed and developed an Android application to create an EMV tag dictionary using Kotlin and enhancing user experience through an intuitive interface
- Analyzed and identified potential values associated with EMV tags and optimizing tag detection for faster transactions

PROJECTS

Graph Transformer for Human Embryo Selection | *Transformers, Computer Vision, GNN, CNN*

Jan 2024 - Jun 2024

- Conducted an in-depth study of graph principles, transformers, and graph transformer architectures, consulting over 15 research articles.
- Collaborated with three colleagues to segment 1,000 embryo images into patches, extracting node and edge features to create graph representations.
- Implemented a graph transformer to classify embryos with 85% accuracy, outperforming traditional CNN models by 5%.

DevHub – Project Management Platform | *Angular, Nest.js, Web Development, Git*

Jan 2024 - Feb 2024

- Collaborated with a team of four to design and implement key features like task management, real-time collaboration, and user authentication.
- Led the development of the project management platform, using Angular for the frontend and NestJS for the backend.
- Implemented core functionalities such as project creation, task tracking, user roles, and notifications.

EVENTHUB – Event Management Platform | *Angular, Nest.js, Web Development, Git*

Mar 2024 - May 2024

- Developed an event management project using AngularJS and NestJS architecture to provide comprehensive solutions for creating, managing, and purchasing event tickets.
- Implemented event customization features and an integrated approval process to ensure event quality.
- Facilitated user interactions, including real-time updates and a secure ticket purchasing system.

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, PHP, HTML, CSS

Web Development: Node.js, Symfony, Spring Boot, Angular, NestJS, C#, React.js

Mobile Development: Kotlin, Flutter

Data Science: Machine Learning, Data Analysis, Deep Learning

Big Data: Hadoop, Spark

Databases: MySQL, SQL Server

Development Tools: Git, Docker, PyCharm

Libraries: pandas, NumPy, Matplotlib, Keras, PyTorch, scikit-learn

Operating Systems: Linux (Ubuntu)

EXTRACURRICULAR ACTIVITIES

Professional Handball Player

Sep 2009 - Present

Member of Securinets INSAT

Sep 2021 - Present

LANGUAGES

English: Advanced level

French: Advanced level

Arabic: Native language

German: Beginner level