Meribout Ahmed Yahia

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- Citizenship: French

Certifications

CompTIA Security+ ce SY0-701
2024

Cisco CCN1v7 Introduction to Networking
2021

Cisco CCN2v7 Switching, Routing, and Wireless Essentials
2022

Ultimate AWS Certified Solutions Architect Associate SAA-C03
Udemy
2024

Skills

Programming Languages

Python, C, Golang, PHP, Java, JS, Dart, SQL, Haskell, Prolog

Technologies

React, MongoDB, Node.js, Express.js, Tailwind, Flutter, Android Studio, Docker, Windows Active Directory, Maven, Oracle, GNS3/PacketTracer, Git, VMware

Soft Skills

Motivated, Creative, Communication, Curious, Collaboration & Teamwork, Continuous Learning, Time Management, Problem Solving, Critical Thinking, Attention to details

Languages

English C1

French C1

Arabic Native

Interests

Swimming

Cycling

Investing in stocks

Profiles

- in Ahmed Yahia Meribout
- ○ AhmedMeribout
- ☁ ahmedmeribout02

Education

Paris-Saclay	September 2023 - Current
Security of Content, Networks, Telecommunications, and Systems	Master 1 ,Master 2 (Master's degree)

Cryptography, Secure Computing, Secure Web Application, Wide Area Network, Graph Algorithms, Randomized Algorithms.

Faculté des Nouvelles Technologies de l'Information et de la Communication (NTIC)	October 2020 - June 2023
Compute Science Ranking 3/107	Licence (Bachelor's degree)

Information Security, Operating Systems, Database Administration, IP Networks, Programming Paradigms, Multithreading in Java, Compilers, Intelligent Systems, Operations Research, Software Engineering.

Projects

Ransomware 3 Months (February - April 2024
Master Paris-Saclay (Best Project)

Development of a ransomware exploiting DLL hijacking, using a modified ASCON algorithm with multithreading to speed up file encryption, and RSA for key management, while implementing forensic analysis resistance measures.

Cryptography, Key management, C

Twitter-Retro 2 Months (April - May 2024)
Master Paris-Saclay (Best Project)

Development of a secure Twitter clone using the MERN stack (MongoDB, Express.js, React.js, Node.js), with essential features such as real-time chat, a recommendation system, and tweeting, while implementing security measures.

VPS, CI/CD, React, Tailwind, Nginx, Express.js, Github Actions

Differential cryptanalysis on DES 1 Month (March - April 2024)
Master Paris-Saclay

Developed a program using differential cryptanalysis to find DES keys in $O(2^9)$ time, supported by a paper explaining the theory and method.

Cryptography, Python

Terminal File Manager 2 Months (March - April 2024)
Master Paris-Saclay

Development of a file management application using Java and Maven, accessible via the terminal, with basic commands such as copy, paste, cut, and directory creation. It also includes undo functionality (Ctrl+Z) and action logging.

Apache Maven, Java, Design Patterns

Smart Healthcare Android Application 5 Months (February - June 2023)
Bachelor's Project (Best Project)

Development of a smart healthcare Android application using Java and XML, featuring speech recognition, text-to-speech, quick diagnosis, Wikipedia API integration for disease information, QR code scanning, daily health tips, and maps for locating healthcare facilities. A web interface enables doctors to manage patient data, send messages, and share descriptions via digital documents.

Expert system, Java, Android Studio, Gradle, PHP, Python

Volunteering

Google Developer Group Constantine 2022 - 2023
Part of the developer team , Co - Organizer

AI DAY 2023: Organized an event with over 500 participants, featuring guest of honor Riyadh Baghdadi, Assistant Professor at New York University Abu Dhabi (NYUAD) and Research Affiliate at MIT.