TASNIM KAMOUN
Software Engineer

Information

📍 Toulouse, France

📞 +33 6 07 68 71 26

✉ tasnimk1108@gmail.com

in www.linkedin.com/in/tasnim-k1108

git github.com/tasnimk11

Skills

Frameworks :
Angular, SpringBoot, Bootstrap

Coding :
Java, C, C++, Python
Typescript, JavaScript, HTML, CSS
OCaml, Haskell, Prolog
PostgreSQL, SQLite, MongoDB
Unix, Flex, Bison, VHDL

Tools :
JavaFX, MATLAB, Keil, Office

Personal :
Problem-solving, creativity
Autonomy, leadership
Communication, team spirit

Interests

Volunteering: UNICEF ambassador, member in student council and tutor

Music : pianist, self-taught guitarist and compositor

Reading : books, novels

Games : puzzles, cards and escape games

Documentaries: psychology, philosophy, science, history, politics

Language

English	Fluent (TOEIC-C1)
French	Fluent (DALF-C1)
German	Basics
Arabic	Native

Work Experience

Full-stack Developer   Jun - Aug 2023
Amadeus | Nice, France
- **Mandatory** Internship.
- Enhanced notification platform by processing external data feed, uncovering 40% of its potential, and implementing consistency and reliability checks, through a dashboard.
- **Jira (Agile), MongoDB, C++, SpringBoot, Angular.**

Full-stack Developer   Jul - Aug 2022
Sofrecom | Tunis, Tunisia
- **Non-Mandatory** Internship.
- Developed a web App that helps the HR Team substitute the annual exercise of pay raises (classically, on EXCEL), to prevent leaks and to automate 70% of the manual tasks.
- **Jira (Agile), PostgreSQL, SpringBoot, Angular.**

Chatbot Developer   Jul - Aug 2020
Focus Corporation | Tunis, Tunisia
- **Mandatory** Internship.
- Designed, developed, and tested a Chatbot that serves as a tool answering employees' questions and providing information about the corporate.
- **Google Script, Google Chat.**

Projects

Generation of Inputs for Dictionary Attacks   2023
- A Scientific Research to enhance online account security against targeted attacks using an innovative approach that combines **NLP, AI, and cybersecurity** techniques.
- **Python, Scientific Research.**

OCCYBER: Cybersecurity YouTube Channel   2023
- Launched to address the gap in French-language cybersecurity content, we teamed up with the **THCON** to produce short cybersecurity tip videos targeting kids and teenagers.
- **Media Management, Content Creation, Scientific Research.**

C Language Compiler & RISC-5 Implementation   2023
- Developed a memory-oriented compiler for efficient C-to-assembly translation for a RISC-5 processor. It was implemented on FPGA hardware for execution.
- **Flex, Bison, C, VHDL.**

Desktop Messaging Java App Development   2022
- Developed based on MVC model, to allow a smooth chat between connected distant users.
- **Jira (Agile), Java, JavaFX, Java Swing, SQLite, Jenkins.**

Laser Game Assebly & Development   2021
- Accomplished the electronic design, core configuration, and assembly development of **STM32** to conceive a laser game guns' signals are analyzed to match players with targets.
- **C Language, ASM, Keil, MATLAB.**

Education

INSA Toulouse   2019 - Present
Master of Science in Engineering, in Computer Science and Network
Microcontroller, Networks, Software and Hardware Security, AI, ML, Real Time, Web Semantics, Processor, Automata

Toulouse School of Management   2022 - Present
Master in Business Development
International Business Development, Consulting, Negotiation, Economic Intelligence, Tax & Financial Engineering, Growth Strategies

Technical University of Hamburg-Harburg   2021 - 2022
ERASMUS Exchange, Bachelor in Computer Science
Computer Architecture, Internet Security, Functional Programming