

# Ghaith Mlika

📍 Tunisia   ✉ ghaith.mlika@polytechnicien.tn   ☎ +21629179200   📺 in/ghaith-mlika-305797214   🌐 www.ghaithmlika.tech

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## SUMMARY

I am a graduate of Ecole Polytechnique de Sousse with a specialization in Computer Engineering. I have a keen interest in full-stack development, driven by ambition and a constant eagerness to learn new technologies.

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## EXPERIENCE

### Full Stack and AI Developer Intern (Final Year Project)

GPRO Consulting

February 2023 – June 2023, Sousse, TN

- Conducted research on valuable and relevant machine learning and large language models for document understanding technologies.
- Gathered, cleaned, and preprocessed packing documents from multiple sources of the client company, an industrial company.
- Extended the dataset using various data augmentation techniques with Python and OpenCV library.
- Fine-tuned, trained, validated, and tested LayoutLMv3 models for document recognition and classification using Python, PyTorch, and TensorFlow.
- Fine-tuned, trained, validated, and tested LayoutLMv3 models for named entity recognition with Python, PyTorch, and TensorFlow.
- Deployed models using Python and FastAPI to ensure efficient integration and usage through a secured RESTful API.
- Developed a user-friendly, modern mobile app with features for uploading documents from various sources, interacting with AI models via a RESTful API, and incorporating a dashboard for enhanced usability with Javascript and React Native.
- Created a RESTful API using Python and FastAPI for tracking AI models usage data, and saving information to the existing PostgreSQL ERP system database.
- Integrated the mobile app with the existing RESTful API of the ERP system to save extracted data for stock entry operations management.

### Full Stack Developer Intern

GPRO Consulting

July 2022 – September 2022, Sousse, TN

- Created a mobile application to track electric energy consumption for a residential client of an energy providing company.
- Utilized Javascript, React Native to build a modern, user-friendly front-end interface.
- Implemented a RESTful API using Javascript, Node.js and Express.js, connected to MongoDB via Mongoose ODM for efficient data modeling and interaction.
- Integrated on-device text recognition using Google ML Kit to enhance functionality.
- Maintained clear and effective communication with the development team to ensure smooth project execution.

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## CERTIFICATIONS

### MongoDB Java Developer Path Badge

MongoDB • 2023

- Completed a course in the fundamentals of building modern Java applications and integrating MongoDB as the database solution.

### HackerRank Intermediate Javascript Certificate

HackerRank • 2023

- Certified in intermediate-level JavaScript by HackerRank, demonstrating proficiency in advanced JavaScript concepts and problem-solving skills.

### Agile Project: Product Prototype Certificate

Coursera • 2023

- Completed a course in Agile methodologies for developing and iterating product prototypes.

### IT Specialist – Java Certificate

Certiport • 2022

- Certified in recognizing, writing, and debugging Java code to logically solve complex problems.

### AWS Academy Cloud Foundations Badge

Amazon Web Services (AWS) • 2022

- Completed a course on AWS architecture, cloud fundamentals, and core services.

### TOEIC Listening and Reading Test Certificate

Educational Testing Service (ETS) • 2022

- Certified proficiency in English language skills, validated through the TOEIC Listening and Reading Test.

### Neural Networks And Deep Learning

DeepLearning.AI • 2021

- Certified in a deep learning course specializing in convolutional image classification.

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## PROIECTS

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## Full Stack E-commerce Store (Bike Store)

June 2024 - Present

- Designed and developed a scalable e-commerce website using microservices architecture. Technologies included TypeScript, Java, Next.js, Spring Boot, Spring Cloud, Kafka, PostgreSQL, Docker, Zustand for state management, Tailwind CSS, Git, and Stripe for secure payments.

## Full Stack Notion Clone (Note Niche)

[github.com/Mlika-Gaith/notion-clone](https://github.com/Mlika-Gaith/notion-clone) • April 2024 - June 2024

- Designed and developed a full-stack Notion clone for note-taking using TypeScript, Next.js, Tailwind CSS, Node.js, MongoDB, and Zustand for state management.

## AI Form Builder (Survey Platform)

[github.com/Mlika-Gaith/ai-form-builder](https://github.com/Mlika-Gaith/ai-form-builder) • April 2024 - April 2024

- Designed and developed a full-stack platform for generating and sharing survey forms, integrating AI technologies for enhanced functionality. Technologies used include TypeScript, Next.js, Tailwind CSS, Node.js, MongoDB, and the OpenAI API.

## Personal Portfolio Website

[github.com/Mlika-Gaith/nextjs-personal-portfolio](https://github.com/Mlika-Gaith/nextjs-personal-portfolio) • December 2023 - January 2024

- Designed and developed a personal portfolio website using Typescript, Next.js, Three.js with React Three Fiber for 3D object rendering, and Framer Motion for dynamic animations.

## AI Prompts Platform

[github.com/Mlika-Gaith/next.js-ai-prompts](https://github.com/Mlika-Gaith/next.js-ai-prompts) • October 2023 - October 2023

- Designed and developed a full-stack platform for creating and sharing AI prompts to support diverse AI applications. Technologies used include JavaScript, Next.js, Node.js, MongoDB, and Tailwind CSS.

## Frontend projects

- **Online Banking App Template:** Developed a template for an online banking application using Vite, React.js, TypeScript, Styled Components, and Tailwind CSS.
- **Portfolio Template:** Created a template for a personal portfolio website utilizing Next.js, TypeScript, Tailwind CSS, and Framer Motion for animations.
- **Modern AI App Template:** Designed a template for a modern AI application website with Vite, React.js, TypeScript, Tailwind CSS.

## MERN Stack Blog

[github.com/Mlika-Gaith/mern-stack-blog](https://github.com/Mlika-Gaith/mern-stack-blog) • April 2022 - June 2022

- Designed and developed a full-stack MERN (MongoDB, Express.js, React.js, Node.js) application in JavaScript for validating computer engineering second-year web development module. Implemented features for creating, editing, and managing blog posts and comments.

## Stock Management App

[github.com/Mlika-Gaith/spring-boot-stock-management-example](https://github.com/Mlika-Gaith/spring-boot-stock-management-example) • May 2022 - June 2022

- Developed a stock management project using Java with Spring MVC and Thymeleaf template engine as part of validating the second-year Computer Engineering web development with Java module.

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## EDUCATION

### Bachelor of Science in Computer Engineering

Ecole Polytechnique de Sousse • Sousse, TN • 2023

- Graduated among the top 5 in my cohort.

### Preparatory Program in Integrated Engineering

Ecole Polytechnique de Sousse • Sousse, Tunisia • 2020

- Graduated First Major, 2020.

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## SKILLS

Programming Languages: Javascript, Typescript, Java, Python

Frameworks: React.js, Next.js React Native, SptingBoot, FastAPI, Express.js

Databases: MongoDB, PostreSQL

Tools: Git, Docker

Languages :

- English: Proficient
- French: Proficient
- Arabic: Native