Maher El Mir

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Portfolio Website : mahermir.github.io/Portfolio

EDUCATION

Bachelor's Degree in Electrical Engineering
Institut Superieure des Etudes Technologique de Gabes

10/2022
Gabes, Tunisia

Bachelor of Software Engineering
Private School of Applied Science and Technology of Gabes

06/2025
Gabes, Tunisia

EXPERIENCE

Electrical Engineering Intern
Groupe Chimique Tunisien

01/2020 - 02/2020
Gabes, Tunisia

- Developed IoT-based prototypes for monitoring industrial equipment, ensuring real-time data visualization and reporting.
- Programmed and configured microcontrollers (Arduino) to collect and transmit data from chemical processes.

Power Systems Engineering Intern
STEG(Société Tunisienne de l'Électricité et du Gaz)

01/2022 - 02/2022
Gabes, Tunisia

- Analyzed and optimized power systems performance.
- Collaborated on energy efficiency projects and conducted feasibility studies.
- Collaborated with a team to integrate sensor-based devices into power networks for real-time monitoring and fault detection.

Software Engineering Intern
Gross Innovation

01/2025 - 05/2025
Ontario, Canada
(Remote)

- Developed a MERN stack website builder with drag-and-drop editor
- Implemented email verification using SendGrid
- Integrated user authentication (JWT, Google OAuth) and Stripe billing system
- Built admin dashboard for template and user management
- Collaborated in Agile environment with GitHub version control
- Contributed to dashboard UI, admin panel, and scalable component-based design

Freelance Developer
various projects

10/2023 - 08/2024
Gabes, Tunisia

- Task Manager App: Designed a cross-platform app using Flutter and Firebase, enabling efficient task tracking and real-time data synchronization.
- Food Delivery App: Built a Flutter-based app with Firebase integration for order tracking and secure payment gateways.

- Student Management System: Developed a PHP-based system for universities, streamlining student data management and administrative workflows.

File Organizer (Python Automation)
- Created a Python script that monitors a specified directory for changes and automatically organizes files into subdirectories based on their file types.

<u>Movie Recommender Application</u>

- Developed a Python-based application that fetches the top movies from IMDb's "Top 250" list, selects a random movie, and displays its details.

<u>Crypto Twitter Sentiment Bot</u>

- NLP-powered bot to detect and analyze cryptocurrency sentiment on Twitter "X"and send alerts via Telegram

<u>Privacy-Preserving Machine Learning Platform (In Progress)</u>

- Designing a secure platform for training ML models on private data using federated learning and differential privacy

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VOLUNTEERING EXPERIENCE

AIESEC
Member of IGT Department

09/2022 - 04/2023
Gabes, Tunisia

- Facilitated global talent exchange programs for companies, universities, and non-profits.
- Coordinated with international teams to streamline internship processes.

TECHNICAL SKILLS

Programming Languages: Python, PHP, Java, JavaScript, Dart, TypeScript

Web Technologies: React.js, Angular, HTML5, CSS, Node.js, Express.js, JWT, Stripe, SendGrid

Frameworks & Tools: .NET ASP, Spring Boot, Flutter

Database Management: SQL, Firebase,MongoDB

Cloud Services: Azure, Docker

Soft Skills: Team collaboration, problem-solving, project management,Agile Development,Git/GitHub, Remote Work Communication