LYNDA GASMI

STUDENT

Profile

As a final-year engineering student at ESPRIT, specializing in embedded systems,
I am passionate about software development and web technologies. With experience in developing e-commerce websites, inventory management systems, and ERP application integration, I am seeking a final-year internship (PFE) to enhance my skills and contribute to innovative projects in the field of computer engineering.

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in https://www.linkedin.com/in/lynda-gasmi97/

https://github.com/lylygasmi

Language

- English(B2)
- Frensh(B2)
- Arabic (Native language)
- Spanish: Certified by Instituto Cervantes, Tunis (1.5-month course)

Experience

ENGINEERING INTERNSHIP
08/2024 – 10/2024
Tunisia Smart Solutions, Megrine

- Functional analysis: Studied the requirements document to define needs related to cart management and secure payment.
- Technical development: Implemented key features such as cart management, order summary, and Stripe.js integration for payment.
- API creation: Developed an API to ensure communication between the frontend (React.js) and backend (Node.js).
- Testing and validation: Ensured the reliability and security of functionalities using tools like Postman and Stripe Sandbox.
- Skills acquired: Gained deeper knowledge of web development in a professional context.

IMMERSION INTERNSHIP
06/2023 – 08/2023
Discovery Informatique, Charguia II TUNIS

- Developed an e-commerce website.
- Designed and built an e-commerce site with Symfony 4, including product, user, and order management.
- Created a dynamic user interface using Bootstrap and JavaScript.
- Technologies used: Symfony 4, Twig, Doctrine ORM, MySQL, HTML5, CSS3, JavaScript, Bootstrap.

HUMAN AND SOCIAL DEVELOPMENT INTERNSHIP
07/2022 – 08/2022
Discovery Informatique, Charguia II

- Developed an application for managing employee data.
- Technologies used: Microsoft PowerApps, Microsoft Dynamics 365 (ERP).
- Designed and developed a custom application for managing employee data using Microsoft PowerApps.
- Integrated with Microsoft Dynamics 365 ERP to automate and centralize information management.

- Customized workflows to optimize business processes and improve organizational efficiency.
- Conducted functional testing to ensure application reliability.

PFE INTERNSHIP
02/2021 – 06/2021
Discovery Informatique, Charguia II

- Conducted a needs analysis for inventory management.
- Designed and developed a product and inventory management system, including custom WordPress plugins and API REST.
- Integrated a relational database (MySQL) for data storage.
- Built a dynamic, user-friendly interface with tailored functionalities.
- Tested and optimized performance to ensure reliability and efficiency.
- Technologies used: HTML5, CSS, JavaScript, PHP (WordPress), MySQL.

English Educator Intern – AIESEC Turkey, Izmir
Dates (July 2019 - August 2019)

- Volunteered to teach English to children aged 5 to 12/13 years old.
- Designed and conducted engaging educational activities to improve language skills.
- Collaborated with local staff to adapt teaching methods to different age groups and cultural backgrounds.

Education

- 2021: Applied License in Computer Science and Management,with distinction, ESSECT Montfleury.

- 2018: Mathematics Baccalaureate, with distinction, Lycée Dachraoui, Menzah 9.

- Currently Enrolled: Engineering Cycle in Computer Science, ESPRIT Ariana.

Skills Summary

Programming Languages:
- C, C#, C++, Java, PHP, JavaScript, HTML5, CSS3, SQL

Frameworks & Libraries:
- Symfony 3/4, Node.js, React.js
- Content Management Systems:
- WordPress

API Integration:
- REST API integration

Databases:
- Database management

Microsoft Tools:
- Microsoft PowerApps, Microsoft Dynamics 365

Operating Systems:
- Linux, Windows

Programming Tools:

- Python (JupyterLab), JavaFX, WampServer, XAMPP

Testing Tools:
- Postman

Frameworks:
- .NET, Android

Spring Framework:
- Development of web applications and microservices with Spring Boot, Spring MVC, and Spring Data

Operating Systems Knowledge:
- Mastery of Linux and Windows, process and memory management, scheduling algorithms (FIFO, Round Robin), and RTOS (real-time operating systems)

Agile Methodology / Scrum:
- Project management using Scrum, experience with Jira

UML (Unified Modeling Language):
- System modeling with class, sequence, and activity diagrams
- Networking:
- IPv4 network configuration and management, subnetting, and routing

Corporate Social Responsibility (CSR):
- Understanding of sustainable development practices and integration of CSR strategies in management

Computer Vision & Machine Vision:
- Application of computer and industrial vision techniques for image analysis, object recognition, and process automation

AI for Embedded Systems:
- Implementation of artificial intelligence algorithms for embedded systems, optimizing models for resource-limited environments

Software Testing & Validation:
- Designing and executing tests to validate software functionality and performance, using test tools and error management

Wearable Technologies:
- Development and integration of wearable technologies, including sensors, energy management, and performance optimization in embedded systems

Integrated Development Environments (IDEs):
- IntelliJ IDEA, Visual Studio, VSCode, PHPStorm, Eclipse, Quartus II, Arduino IDE, STM32CubeIDE

DevOps & Automation:
- Setting up CI/CD pipelines (Jenkins) to automate tests and deployments

Containerization:
- Mastery of Docker and Kubernetes for microservices deployment and orchestration

Monitoring Tools:
- Experience with Prometheus and Grafana for application and performance monitoring

Microcontrollers & IoT:
- ESP32, Arduino

Protocols:
- MQTT, ESP-NOW, UART

Interests

Traveling: France, Italy, Spain, Turkey, Malta

Dance

Painting

Music