



Zitouna Tamkeen



INTERNSHIP PRESENTATION

Digitizing Document Management

- Name: Taha Bouzahar
- Institution: Zitouna Tamkeen
- Dates: 01 June 2024 – 31 July 2024

Zitouna Tamkeen

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OUTLINE

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INTRODUCTION

- Internship focused on developing a document management system and automating processes.
 - Objective: Gain professional experience in software engineering while contributing to the company's operations.
 - Overview:
 - Python scripting for automation.
 - React web application development.
 - Understanding microfinance operations.
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ABOUT ZITOUNA TAMKEEN

- Company Description:
 - A leading microfinance organization in Tunisia.
 - Mission: Empower entrepreneurs and small businesses through financial inclusion.
 - Goals: Reduce poverty and promote economic growth.
 - Your Role:
 - Worked in the Organization and Information Systems department.
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INTERNSHIP CONTEXT

- General Objective:
- Apply academic knowledge in a professional setting.
- Specific Objectives:
- Automate the downloading of client documents from the Averroes system.
- Build a user-friendly web application to manage these documents efficiently.

TASKS AND RESPONSIBILITIES

- Developed a Python script to automate document downloads from the Averroes system.
- Designed and implemented a web application:
- Frontend: React.js
- Backend: Node.js, Express.js
- Database: MySQL
- Created features:
 - Login and authentication.
 - Role-based user interfaces (Admin, Manager, Employee).
 - Document upload, search, and management.

TOOLS AND TECHNOLOGIES

- Languages & Frameworks:
- Python, JavaScript (React, Node.js, Express.js).
- Database: MySQL.
- Development Tools: Visual Studio Code, Git.

CHALLENGES

- Microfinance Knowledge:
- Limited understanding at the beginning—required learning basic microfinance concepts.
- UI/UX Design:
- Ensuring the web application is intuitive and user-friendly.
- Technical Challenges:
- Managing a secure and efficient backend system.

OUTCOMES AND RESULTS

- Successfully automated document downloads, reducing manual effort.
- Delivered a functional and user-friendly web application for:
 - Efficient document management.
 - Advanced search and filtering capabilities.
- Received positive feedback from employees for the system's usability and efficiency.

KEY LEARNINGS

- Technical:
- Improved skills in React.js, Node.js, MySQL, and Python automation.
- Industry:
- Gained insights into microfinance operations and their technological needs.
- Professional:
- Learned problem-solving, teamwork, and time management in a corporate environment.

RECOMMENDATIONS

- Implement advanced search filters for better document retrieval.
- Regularly collect user feedback to improve the system.
- Provide ongoing training and support for employees.

CONCLUSION

- Summary:
- Developed a Python script and React-based web app, improving the company's document management processes.
- Gained significant professional and technical experience.
- Gratitude:
- Thank Zitouna Tamkeen, supervisors, and colleagues for their guidance and support.

Zitouna Tamkeen



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THANK YOU
FOR YOUR ATTENTION

