

Amine Hochlef

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Education

Higher Institute of Technological Studies of Sousse
B.S. in Computer Science

Grad Date: Jun. 2025

Experience

Diva Software

Jan 2024 – Feb 2024

Machine Learning Intern – NLP-Powered Email Insights Platform

Sousse, Tunisia

- Utilized natural language processing techniques to perform topic extraction, sentiment analysis, and summarization on emails from the user's inbox.
- Designed and implemented a user-friendly interface using Angular, allowing users to interact with the analysis results seamlessly.
- Built RESTful APIs using Flask to handle data processing and interaction between the frontend and backend.
- Collaborated with cross-functional teams to ensure smooth integration and deployment of the platform.
- Participated in Agile development cycles, contributing to daily stand-ups, sprint planning, and retrospectives.
- Created a detailed report documenting project progress, milestones, and challenges, facilitating communication and future improvements.

Diva Software

Jan 2023 – Feb 2023

Software Engineering Intern

Sousse, Tunisia

- Developed responsive and dynamic UI components using Angular, ensuring a seamless user experience across devices.
- Collaborated with designers and backend developers to integrate RESTful APIs and optimize the frontend for performance.
- Implemented modular architecture with reusable components to enhance maintainability and scalability of the codebase.

Projects

🔗 **Analysy** | Python, Flask, Angular, NLP

- Applied advanced natural language processing techniques, including topic extraction, sentiment analysis, and summarization, to analyze emails directly from users' inboxes, providing actionable insights.
- Designed and developed an intuitive user interface using Angular, enabling seamless interaction with the analysis results and enhancing user experience.
- Engineered RESTful APIs with Flask, facilitating robust data processing and ensuring efficient communication between the frontend and backend systems.
- Implemented core text analysis logic and data handling in Python, utilizing libraries like NLTK and spaCy for effective natural language processing.
- Successfully integrated the frontend and backend components, achieving smooth data flow and real-time updates, and deployed the application for production use.

Skills

Languages: Python, SQL, JavaScript (Angular), Java, HTML/CSS, Bash

Libraries: Pandas, NumPy, Matplotlib, Plotly, Scikit-Learn

Tools: Git, Linux, Power BI, Hadoop

Data Science: Regression, Classification, NLP

Leadership and Community Involvement

Member of Google Developer Student Club

Sep 2022 – Jun 2023

Higher Institute of Technological Studies of Sousse

Sousse, Tunisia

- Collaborated with peers to organize and host tech workshops and talks, engaging over 100 students.