

# Ahmed Sidi Mohamed

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## PROFILE

Software engineering student at ENSIT in Tunisia, I am looking for a 6-month internship starting in February 2025. Flexible, motivated and eager to learn, I have strong organizational, communication and problem-solving skills.

## EXPERIENCE

**IAJT** Jul. 2024 - Sept. 2024  
*Internship* Tunis, Tunisia

- Developed a comprehensive file management system integrated with Azure, enabling secure uploads, downloads, and folder management. Implement user authentication and robust file management processes, emphasizing seamless cloud storage integration and efficient file operations.
- **Keywords:** Azure, Node.js, Angular, PostgreSQL

**XLainer** Jun. 2023 - Aug. 2023  
*Internship* Sfax, Tunisia

- Designed and deployed deep learning models for precise skin lesion classification. Developed a rigorous data collection protocol and utilized advanced preprocessing techniques to optimize medical image quality for deep learning model training.
- **Keywords:** Deep Learning, Python, Computer Vision, TensorFlow, Keras, Pandas, Docker, Streamlit

## EDUCATION

**Higher National School of Engineering of Tunis (ENSIT)** Sept. 2022 — Present  
*Computer Engineering Studies* Tunis, Tunisia

**Preparatory Institute for Engineering Higher Schools** Oct. 2020 — Jul. 2022  
*Mathematics and Physics* Nouakchott, Mauritania

## PROJECTS

### Classification of Musical Genres

*Development of a microservices application (SVM, VGG19, Frontend) for the automatic classification of musical genres. Implementation with Docker and continuous integration with Jenkins. Models trained on the GTZAN dataset.*

- **Keywords:** Docker, Jenkins, Python, TensorFlow, Scikit-learn, Streamlit, Flask, Azure

### Year-End Project 2

*A platform hosting pet owners, pet-sitters, veterinarians, and businesses specializing in pet product sales. Offers a unique space to sell pet care products and services, schedule veterinarian appointments, and share content information.*

- **Keywords:** Angular, ExpressJs, MySQL, StarUML, Postman, JWT,  $\LaTeX$

### Deploying a Distributed Application with Kubernetes

*Application composed of an authentication service and a weather service, deployed with Kubernetes.*

- **Keywords:** Kubernetes, Docker, Go, Python, MySQL, YAML

## SKILLS

<b>Programming Languages:</b>	Python, Java, C/C++, JavaScript, PHP
<b>Frameworks:</b>	React.js, Angular, Laravel, Spring Boot, Django, ExpressJs
<b>Cloud Technologies:</b>	Microsoft Azure, AWS
<b>DevOps:</b>	Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins, GitLab CI), Linux, Terraform
<b>Databases:</b>	PostgreSQL, MySQL, Oracle, MongoDB

## CERTIFICATIONS

<b>Microsoft</b>	AZ900: Microsoft Azure Fundamentals
<b>KodeKloud</b>	Kubernetes for Absolute Beginners - Practical Tutorial
<b>KodeKloud</b>	DP-900: Microsoft Azure Data Fundamentals
<b>Cisco</b>	Cisco Certified Network Associate (CCNA2 and CCNA1)

## EXTRACURRICULAR ACTIVITIES

<b>IEEE</b>	Media Manager (June 2023 - Present)
<b>Geeks Club</b>	Active Member

## LANGUAGES

<b>English</b> — Intermediate	<b>French</b> — Upper Intermediate	<b>Arabic</b> — Native
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