

# ADAM AIT HAMID

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## EDUCATION

### ESIEE Paris

Master of Engineering in Computer Science

Paris, France

Sep. 2022 – Aug. 2025

### Universidad Publica de Navarra

International Academic Exchange

Pamplona, Spain

Sep. 2024 – Feb. 2025

## EXPERIENCE

### Software Engineer

Université Gustave Eiffel

Sep. 2022 – Aug. 2025

Bordeaux, France

- Developed a REST API using Flask and InfluxDB to store telemetric data from autonomous vehicles
- Developed a full-stack web application using Next.js, React, PostgreSQL to visualize and modify taxonomies, used by my team and partner universities.
- Deployed a scalable cloud-native 6G platform on Kubernetes with energy consumption monitoring using Grafana

### 5G / AI Research Assistant

ÉTS Montréal

June 2024 – Sep. 2024

Montréal, Canada

- Communicate with professors and researchers to set up the architecture of the project
- Deployed an experimental 5G platform using srsRAN and Docker Compose with 2 different DUs and Radio Units
- Developed an xApp and a Deep Learning model able to detect and mitigate DDoS attacks on the core
- Co-authored an IEEE research paper with Dr. Awad and Pr. Langar, published at the 7th CIoT Conference

### IT Intern

Event2Be

May 2021 – July 2021

Paris, France

- Developed a Python-based newsletter system
- Implemented SEO improvements on the company website
- Designed event cover images using Photoshop
- Managed servers containing files and sensitive credentials, ensuring smooth operations and secure data handling

## PROJECTS

### Heurly | React, PostgreSQL, Prisma ORM, Docker, Github Actions

Sept. 2024 – June 2024

- Developed a full-stack web application using with Node.js serving a REST API with React as the frontend
- Implemented Google OAuth to securely manage user accounts and data.
- Managed the CI/CD pipeline, reducing build time by 92% and image size by 95% for faster deployments

### Quiz App | Vue.js, FastAPI, Python, SQLite, Postman, Git

May 2024

- Developed a REST API using FastAPI server as backend and SQLite to store and manage quiz data, ensuring efficient data handling
- Developed and executed unit tests for REST API endpoints using Postman to ensure functionality, reliability, and coverage of all use cases
- Collaborated with Front-End Developer to suggest features and get feedback about the API

## TECHNICAL SKILLS

**Languages:** Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Java, Go, Bash

**Frameworks:** React, Node.js, Next.js, Vue.js, Flask, Django, FastAPI

**Cloud & DevOps Tools:** Kubernetes, Docker Compose, GitHub Actions, Google Cloud Platform

**Developer Tools:** Git, VS Code, PyCharm, IntelliJ, Postman, Eclipse

**Libraries:** Pandas, NumPy, Matplotlib, Radix UI, Prisma ORM, Auth.js

## LANGUAGES

Italian (Native)   French (Native)   English (Fluent)   Arabic (Fluent)   Spanish (Intermediate)