# Seifeldin Mahmoud
## Software Engineer

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## ABOUT

I'm a Software Engineer with strong backend and ML skills. Experienced in deploying and maintaining full stack applications. I'm a 3$^{rd}$ year student, able to balance academic and professional commitments alike.

## EDUCATION

**AL AIN UNIVERSITY**                                             **ABU DHABI - UAE**

**Bachelor of Science in Software Engineering**                       **2023-PRESENT**

- Honor's list, 3.79 GPA
- Completed 63 credit hours, expected graduation by May 2027

## EXPERIENCE

**LUXAI**                                   **UAE**

**Data Science Intern**                            **JULY 2025-Present**

- Created, maintained and open-sourced CLI packages to automate SEO using web-crawlers, NLP and RAG.
- Implemented a RAG pipeline using Gemini-2.5 Flash integrated with Gmail's API and stored via postgresql.
- Developed Reelwise – an automated SEO Engine for Instagram's reels via playwright browser automation, applied NLP techniques to infer optimal reel metadata, wrapped in a user-friendly GUI.

**SMART NAVIGATION SYSTEMS**                         **UAE**

**Intern Software Engineer -  Lead developer of [Himaya71](#)**         **MAY 2025-Present**

- Spearheaded the end-to-end developement of the Himaya71 emergency response platform, from initial concept to a live, functional application, achieving 3$^{rd}$ place at the I2P competition hosted by UAEU SIP
- Single-handedly developed the application's core infrastructure, building the interactive front-end dashboard with React and TypeScript and engineering the back-end services with Django
- Deployed both the front-end and back-end systems to production on Vercel and Railway respectively, enabling a live dashboard connection to visualize data, issues alerts, and provide call to actions from any online device
- Integrated a computer vision model & IoT sensors into the back-end to automate mission critical alerts

## PROJECTS

**AI CV Generator ([cvmaker](#)) – Sole developer**

- Developed and deployed a web application enabling users to generate personalized CVs and cover letters instantly using Google Gemini 2.5 Flash, Next.js, React, Tailwind CSS, and deployed on Vercel
- Security features include comprehensive input validation and sanitization (Zod, XSS protection), robust rate limiting, advanced prompt injection protection. Fully private and stateless, Storing zero user data

**GCare - Predictive Maintenance Platform - Team member**

- Co-developed, validated and tested a predictive diagnostics platform as part of the Gargash Hackathon 2025
- Designed Django REST APIs to collect live data from OBD-II sensors, connected them with our ML pipeline (scikit-learn & Meta's Llama) and presented real world insights to consumers to gather user feedback

**Personal Automations**

- Created automated workflows on N8N, hosted on a local Ubuntu server to gather data analytics and provide actionable insights on my deployed projects, delivered directly via discord/slack push notifications
- Built a OneDrive alternative using bash scripts and GIT, enabling efficient file syncing and management of large files across devices by leveraging GIT's version control and storage optimization

## SKILLS

- Languages: Python, Java, JavaScript, TypeScript, bash, CSS, HTML
- Frameworks: Django, Node.js, Next.js, React, Tailwind CSS
- AI/ML: Pandas, Numpy, Scikit-learn, PyTorch,  OpenAI, OpenCV, FAISS
- DevOps/Deployment: CI/CD, Cloud Computing, SQL, Django ORM, Docker, GIT, API design

## CERTIFICATIONS

**DeepLearning.ai & Stanford - Supervised Machine Learning: Regression and Classification**      **July 2025**

**HarvardX CS50AI – Introduction to Artificial Intelligence**                     **July 2025**