

Ahmed Mahgoub

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👤 Profile

Motivated IT student with a solid foundation in programming and web development. Keen to apply problem-solving abilities within a collaborative team environment. Actively pursuing opportunities to enhance my IT skill set and contribute to innovative projects.

📁 Professional Experience

- Stad Turnhout, Administrative assistant** 🔗 07/2024
Turnhout, Belgium
 - Digitized and cataloged historical environmental permits
 - Used *GIS software* for geo-referencing and mapping
 - Researched cadastral records to verify historical property locations
- Bpost NV, Counter Clerk** 🔗 03/2023 – 08/2024
Turnhout, Belgium
 - All postal transactions
 - Restricted financial transactions
 - First point of contact for customers

🎓 Education

- Häme University of Applied Sciences,** 08/2024 – 05/2025
B.Sc. in Business Information Technology 🔗 Hämeenlinna, Finland
 - Double degree exchange programme in Finland (Erasmus+)
 - Thesis: *From Monolith to Microservices: Building Scalable Applications with Kubernetes, CI/CD, and Chaos Engineering*
- Thomas More University of Applied Sciences,** 09/2022 – 06/2025
B.Sc. in Applied Information Technology 🔗 Geel, Belgium
 - Member of SIN-Network (providing webhosting infra. for students)
 - Member of IT student council
 - Member of ESN-buddy network

🌐 Languages

Arabic	● ● ● ● ●	Dutch	● ● ● ● ●
English	● ● ● ● ●	French	● ● ● ● ●
German	● ● ● ● ●		

🧠 Skills

- | | | | |
|---------------------|---------------------|------------------------|----------|
| - Java / SpringBoot | - Kubernetes | - React / React Native | - NestJS |
| - Angular | - Laravel | - API Development | - DotNET |
| - GCP | - Chaos Engineering | - Python | - CCNA |

📄 Certificates

Linux Professional Institute 🔗 — LPI Linux Essentials

Projects

Finding a Match, *Document Classification Mechanism*

11/2024 – 12/2025

- Collaborated with 3 international students to develop a classification solution to ease employee cognitive load for Triplan Oy (Finland).
- Implemented the backend API and contributed to training ML models for efficient document labeling.
- Technologies used: Python / Flask, RapidFuzz, PyTorch, CrewAI

Travel Buddy, *Personal AI travel Planner*

09/2024 – 10/2024

- Collaborated with 2 students to develop an AI travel planner.
- Designed and implemented the project's database and built the backend API, hosted on Google Cloud (GCP).
- Built with: React Native, MongoDB, Express, NodeJS, GCP, Firebase

Wallet, *Personal Finance Management Web App*

01/2025 – 03/2025

- Full-stack development of a personal finance web application with microservices architecture. Deployed with GKE using CI/CD pipelines.
- Used chaos engineering to test reliability and system resilience.
- Built with: React, NestJS, Java SpringBoot, GKE, PostgreSQL, MongoDB

Linux Web Services, *Automated Kubernetes Cluster Deployment*

03/2023

- A school project for the Linux web services course. Automated web service deployment & monitoring solution.
- Created a scalable, production-ready infrastructure with monitoring and visualization (Grafana).
- Implemented with Kubernetes, Docker, Vagrant, and Prometheus.

Comedy Tegen Kanker Website, *A volunteer project for a charity event.*

02/2024

- Developed and launched a responsive one-page website for 'Comedy Tegen Kanker', a charity fundraising event for cancer research.
- Utilised HTML, CSS, JavaScript, and Bootstrap to enhance event promotion and accessibility.

Interests

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|----------|--------------|----------------------------|
| - Hiking | - Travelling | - Running home lab servers |
| - Chess | - Crosswords | - Learning new tech |
| - Coding | | |