Mahmood Seoud

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Professional Summary

Computer Science Student - ML/AI Focus

Profile

Computer Science Master's student with strong interests in machine learning and AI applications. Proven track record delivering scalable solutions with measurable cost savings (4,000-5,000 DKK/month).

Education

Elite Summer School - Robotics & Entrepreneurship *August 2025*

Intensive Program *University of Southern Denmark*

Collaborative industrial robots, AI algorithms, mobile robot manipulators

Master's in Computer Science *July 2024 - June 2026*

3rd semester *IT University of Copenhagen*

Focus: Digital fabrication, rapid prototyping, advanced AI/ML applications

Bachelor's in Computer Science *July 2021 - June 2024*

Thesis: Mesh Grid Networks *University of Copenhagen*

Strong emphasis on algorithms, mathematics, and problem-solving

Professional Experience

PeopleNet A/S *August 2022 - Present*

Software Developer *Copenhagen, Denmark*

- **Built AI-powered system** for SharePoint Online using Azure Cognitive Services and OpenAI API, saving the company 4,000-5,000 DKK monthly
- **Migrated from Azure to OpenAI API** to reduce costs while maintaining functionality
- **Created React/TypeScript applications** that streamline project setup, cutting configuration time by 40%

Technical Projects

DISCOSAT / DISCO Project *January 2025 – Present*

Embedded Systems Developer (Volunteer) *Copenhagen, Denmark*

- **Built C-based camera controller and custom Yocto Linux OS** for CubeSats, reducing boot time by 35% with CSP integration for real-time telemetry

LEGO Scratch Detection System *August 2025*

Computer Vision Developer *Odense, Denmark*

- **Built automated scratch detection system** for LEGO quality control using OpenCV and machine learning
- **Worked with 3-person team** to solve real industry problem, delivering working prototype in hackathon setting

Technical Skills

Languages:	C, C++, Python, TypeScript, JavaScript, Java
Frameworks:	React, TensorFlow, OpenCV, Azure Functions, Node.js
Systems:	Linux, Yocto, Docker, Azure Cloud, Git, SQL
Specialized:	Embedded Systems, Computer Vision, Machine Learning, Robotics