

# Mahmood Seoud

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## Professional Summary

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### 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

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### 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

#### 2<sup>nd</sup> 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

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### 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

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### 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

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