



# ADAM WILLIAMS

## COMPUTER SCIENCE GRADUATE

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## PROFILE

Recent Computer Science graduate with a focus on Python backend development and machine learning integration, complemented by a strong interest in building full-stack solutions through personal projects. I bring a combination of technical rigor and creative problem-solving, and I'm eager to apply these skills to real-world challenges by developing scalable, maintainable systems. I approach work with endurance and adaptability, fully engaging with tasks while also having a good sense of when to step back for a fresh perspective. I enjoy programming as well as the broader process of engaging in complex challenges, both independently and in collaboration, and I'm excited to bring this mindset into a professional setting.

## PROJECTS & EXPERIENCE

### FINANCE TRACKER WITH ML

Fullstack application | 2024

- React/JavaScript (frontend), Django (backend), and Node.js/NPM for the dev. env..
- Integrated machine learning to automate categorisation and predict spending trends
- Independently managed frontend and backend development, and deployed the application using third-party software.

### JOB HUNTER APP

Search & NLP Summarization Tool | ongoing (2025)

- Developing a tool that fetches job listings via APIs/web scraping
- Uses keyword filtering and NLP techniques to summarize job descriptions
- Built with Python and tools like FastAPI, Pandas, Docker and deployed on Google Cloud; intended to support efficient, personalized job hunting

### COMPLIANCE AUTOMATION PLATFORM

Co-developing a tool to simplify sustainability regulation compliance | ongoing (2025)

- Defining database structure, decision logic, and implementation workflow
- Supporting UI flow design, content structuring, and scalable system architecture

### RESEARCH PAPER

Bachelor's Thesis | 2024

- Explored image classification techniques with CNNs in a study titled "A Comparison of Approaches to Image Classification using Convolutional Neural Networks."

## ADDITIONAL EXPERIENCE

### HOTEL STAFF

Hotel Kittelfjäll | 2019 - 2020

- Adapted to multiple roles at Hotel Kittelfjäll, gaining insight into business operations and performing under pressure, both independently and in teams.

### NIGHT-RECEPTIONIST

Hotel Elite Mimer | 2018 - 2019

- Worked independently at Mimer, strengthening time management, responsibility, and confidence in solving problems under pressure.

## EDUCATION

### COMPUTER SCIENCE PROGRAM

Göteborgs Universitet  
2021 - 2024

### NATURAL SCIENCES

Göteborgs Universitet  
2020 - 2021

### TECHNOLOGY PROGRAM

Dragonskolan Umeå,  
gymnasium

## SKILLS

### CORE

Python (primary),  
Java, C#, JavaScript,  
Haskell

### MACHINE LEARNING

Scikit-learn, PyTorch,  
Pandas, NumPy,  
CNNs, NLP

### WEB & BACKEND

FastAPI, Node.js,  
Django, Flask, JWT

### FRONTEND

HTML, CSS, React, JS

### TOOLS & DEVOPS

Git, Docker, Google  
Cloud, Azure, CI/CD,  
Jupyter, DBeaver

### DATABASES

SQL & noSQL:  
PostgreSQL, MySQL  
MongoDB

### COMMUNICATION

Native Swedish, fluent  
English