



# ADAM WILLIAMS

## COMPUTER SCIENCE GRADUATE



### PROFILE

Recent Computer Science graduate with a focus on Python backend development and machine learning integration. I bring a systems thinking approach to software development, enjoying the challenge of optimizing performance and building maintainable, scalable solutions. With experience across the full stack and a passion for collaborative problem-solving, I'm eager to contribute to projects that require both technical rigor and creative solutions.

### PROJECTS & EXPERIENCE

#### COMPLIANCE AUTOMATION PLATFORM

*Tech-lead & Co-founder, compliance automation app | ongoing (2025)*

- Architecting full-stack solution from database design to frontend implementation, with emphasis on modular and scalable system architecture

#### FINANCE TRACKER WITH ML

*Full-stack personal finance application | 2024*

- React/Django application with integrated ML for automated expense categorization and spending trend predictions

#### JOB HUNTER APP

*NLP-powered job search tool | ongoing (2025)*

- Python application that fetches job listings via APIs and web scraping, using NLP to provide personalized summaries and keyword filtering

#### RESEARCH PAPER

*Bachelor's Thesis on CNN Image Classification | 2024*

- "A Comparison of Approaches to Image Classification using Convolutional Neural Networks."

### ADDITIONAL EXPERIENCE

#### HOTEL STAFF

*Hotel Kittelfjäll | 2019 - 2020*

- Adapted to multiple operational roles, gaining insight into business operations, developed strong collaborative skills and learning to optimize workflows under pressure.

#### NIGHT-RECEPTIONIST

*Hotel Elite Mimer | 2018 - 2019*

- Worked independently managing complex situations, 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

#### MACHINE LEARNING

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

#### WEB & BACKEND

FastAPI, Node.js, Django, Flask, JWT

#### FRONTEND

HTML, CSS, React

#### TOOLS & DEVOPS

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

#### DATABASES

SQL & noSQL: PostgreSQL, MySQL MongoDB

#### METHODOLOGIES

Agile collaboration, Performance optimization, System architecture design

#### COMMUNICATION

Native Swedish, fluent English