



**Abdulkadir Duran Adan 阿丹**

AI Researcher & Software Engineer



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Wuhan, China

## SUMMARY

An AI researcher with hands-on experience in deep learning and machine learning, and web development. Proven ability to design, implement, and deploy scalable AI models for real-world applications. Seeking to contribute to innovative AI projects in a challenging academic and industry role.

## EDUCATION AND TRAINING

**Huazhong University of Science and Technology**

*Master's in Artificial Intelligence* | GPA: 3.7/4.0 | [Website](#)

Wuhan, China

Sep 2023 – July 2025

**Thesis:** Plant-Agnostic Counting in Somalia Using Vision Transformers

**Jiangnan University**

*Bachelor in Computer Science* | GPA: 3.5/4.0 | [Website](#)

Wuxi, China

Sep 2019 – Jul 2023

**Thesis:** Heart Disease prediction using Machine learning

**Tsinghua University**

*Innovating Education for the Digital Economy* | [Website](#)

Beijing, China

Oct 2022 – Nov 2022

**Project:** AI's impact on e-commerce and digital Technologies

## SKILLS

- **Programming Languages:** Python, JavaScript
- **Databases:** PostgreSQL
- **Deep Learning Frameworks:** OpenCV, PyTorch, Numpy, Pandas, Matplotlib
- **Web Development:** Django, HTML5, CSS3, Bootstrap
- **Tools:** Git & GitHub, Google Colab, VS Code

## PROFESSIONAL EXPERIENCE & PROJECTS

**Master's student & Researcher | Huazhong University of Science and Technology**

- Co-authored TasselNetV4, a vision foundation model for cross-species and cross-scene plant counting: A Vision Transformer model for robust, scalable agricultural AI applications.
- Co-authored a Chinese patent
- Created Enhancing Autonomous Cars' Intelligence Using Deep Reinforcement Learning: a method for safely navigating Self-driving cars in highway scenarios using a combination of deep Q Networks and neural networks [Code](#)
- Developed a facial recognition system for automated attendance tracking in educational institutions, using computer vision techniques. [Documentation](#)

## PUBLICATIONS

### Patent

- [1] **Adan AD**, L. Lu, H. Xu, X. Hu, X. Li, X. Li, and T. Hu, “一种融合种类关键信物计算方法和系统,” *Chinese Patent* CN120725894A, Sep. 30, 2025.

### Papers

[1] Hu X, Li X, Xu J, **Adan AD**, Zhou L, Zhu X, Li Y, Guo W, Liu S, Liu W, Lu H.  
TasselNetV4: A vision foundation model for cross-scene, cross-scale, and cross-species plant counting. arXiv preprint arXiv:2509.20857. 2025 Sep 25.

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## HONORS AND AWARDS

### **Chinese Government Scholarship**

*Huazhong University of Science and Technology* (2023)

### **Scientific Research Star [Certificate](#)**

*Jiangnan University* (2022)

### **Innovation & Entrepreneurship Program Certificate [Certificate](#)**

*Tsinghua University* (2022)

### **International Student Admissions Ambassador [Certificate](#)**

*Jiangnan University* (2021)

### **Outstanding Volunteer [Certificate](#)**

*Jiangnan University* (2021)

### **Gongtiecheng Scholarship [Certificate](#)**

*Jiangnan University* (2020)