Abdulkadir Duran Adan 阿丹
AI Researcher & Software Engineer

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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   *Wuhan, China*
Master's in Artificial Intelligence | GPA: 3.7/4.0 | [Website]   *Sep 2023 – July 2025*
Thesis: Plant-Agnostic Counting in Somalia Using Vision Transformers

Jiangnan University   *Wuxi, China*
Bachelor in Computer Science | GPA: 3.5/4.0 *|* [Website]   *Sep 2019 – Jul 2023*
Thesis: Heart Disease prediction using Machine learning

Tsinghua University   *Beijing, China*
Innovating Education for the Digital Economy | [Website]   *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

Sep 2025 – Present

Independent Researcher| Wuhan Optical Lab, Huazhong University of Science and Technology

Co-authoring a research paper, "Multi-Dimensional Multi-view Vision Transformers for Computational Imaging: A Unified Framework for 3D Reconstruction, Depth Estimation," under Professor You Yang, Vice Dean of the School of Electronic Information and Communications.

Sep 2023 – July 2025

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] <mark>Adan AD</mark>, 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, <mark>Adan AD</mark>, 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.

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)