

# Ansh Chaurasia

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## Summary

Experienced AI software engineer with a proven track record of developing innovative solutions using machine learning, computer vision, and software development. Skilled in leading technical development, securing funding, and contributing to AI-based products for sports coaching, biotechnology, and art generation. Passionate about leveraging technology to solve complex problems and drive impactful outcomes.

## Education

**BS UC Berkeley, EECS** 2014 to 2015

- GPA: 4.5 UW
- Computer architecture, Computer Security, Integrated Circuit / Chip Design, Machine Learning, Mathematical Optimization Models, Discrete Math and Probability Theory, Structure and Interpretation of Computer Programs, Designing Information Devices and Systems I, Algorithms & Complexity

## Work Experience

**flockfysh Inc**, Founding Engineer [Location]

- Led the technical development of an AI system, securing a pre-seed round at a 1B valuation. Published open-source package "refyre" on PyPI to streamline local file management. Built a command-line interface for customers to access MongoDB and DigitalOcean data.

**Gamelore Inc**, AI Software Engineer [Location]

- Utilized TensorFlow 2.0 to contribute to AI-based product for sports coaching and physiotherapy. Developed YOLO model for action recognition with 85 percent accuracy. Patented ball detection algorithms used in sports like tennis.

**Ambrego Inc**, AI Software Engineer [Location]

- Automated guide RNA calculation process using Python and contemporary biotechnology AI software. Utilized AlphaFold, Equidock, and Equibind for accuracy and prediction.

## Personal Projects

**AI Art Generation** [Location] Fall 2022

- Fine-tuned Stability AI's Stable Diffusion XL text-to-image model using the Low Rank Adaptation (LoRA) technique. Created concept anime art sold as an NFT and designed vector logos for branding projects.

**Voice Controlled AI Robot** [Location] Spring 2023

- Built a robot using embedded systems like Arduino and implemented voice matching for voice command responses.

## Skills

**Programming Languages:** Python, C++

**Tools & Technologies:** TensorFlow, MongoDB, DigitalOcean, Arduino, PCA, AlphaFold