SAHIL CHAVAN

Intelligent Systems Engineer

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GitHub | LinkedIn | Portfolio

SUMMARY

AI Developer with 2+ years of experience in building intelligent gaming agents for FPS games. Skilled in Python, deep learning, reinforcement learning, and behavioral cloning. Proficient in OpenCV, Tensorflow, and PyTorch, with a strong foundation in computer vision and game mechanics. Passionate about optimizing real-time systems and delivering high-performance AI solutions.

EXPERIENCE

Senior Artificial Intelligence Developer

iAgent-Protocol

July 2024 - Present | Pune, India

- Engineered advanced AI-driven gaming agents using behavioral cloning and deep learning techniques.
- Improved CS2 gaming agent performance by 30% via dataset optimization and model refinement.
- Integrated OpenCV for real-time image analysis; implemented ML models using PyTorch & TensorFlow.
- Partnered with cross-functional teams to refine AI strategies and enhance user interaction in gaming environments.

Artificial Intelligence Developer

iAgent-Protocol

May 2023 - July 2023 | Pune, India

- Collaborated with a core AI team to develop gaming agents with adaptive behavior, improving delivery speed by 20%.
- Optimized existing AI algorithms and decision-making efficiency via codebase analysis.
- Designed a metadata collection pipeline, reducing AI training time by 40%.
- Created MIRO-based visualizations for project development and planning.

EDUCATION

B.Tech in Computer Science & Engineering

Dr. D. Y. Patil International University

July 2019 - July 2023 | Pune, India

INTERESTS

Game Development

Exploring AI in gaming mechanics

Reading and Fitness

Enjoys reading and staying fit through various physical activities

ACHIEVEMENTS

Improved gaming AI agent performance by 30% via dataset and algorithm tuning.

Developed an AI-powered traffic management system that reduced traffic congestion by 25% through real-time vehicle density analysis.

TECHNICAL SKILLS

AI/ML Techniques: Deep Learning, Behavioural Cloning, Reinforcement Learning, NLP.

Libraries & Frameworks: OpenCV, Tensorflow, PyTorch

Programming: Python

Tools & Clouds: Miro, AWS, Aethir, XOR, EC2

PROJECTS

AI-Powered Traffic Management System

January 2023 - July 2023

- Developed an intelligent traffic control system adapting signals based on real-time vehicle density.
- Applied computer vision to optimize signal switching, reducing average vehicle idle time by 30% in test simulations.
- Project ranked among the top 3 urban mobility innovations in college.

Breast Cancer Detection System

October 2022 - December 2022

- Built an AI-powered web app for early breast cancer detection with 92% accuracy using CNNs.
- Created a custom dataset with diverse labeled breast cancer images.
- Applied convolutional neural networks (CNNs) to classify cancer types with high precision detection.

Speech Emotion AI

Jun 2022 - Aug 2022

- Developed a speech emotion recognition system using Librosa and MLPClassifier (72.4% accuracy).
- Extracted audio features like MFCCs using Librosa; trained a neural network for emotion classification.