SIDDHARTH BASALE

AI/ ML Developer

Targeting **Machine Learning Engineer Intern** roles with an organization of high repute with a scope of improving knowledge and further career growth.

Contact

siddharthbasale2004@gmail.com

+91 9284307086

Siddharth Basale

Education

- **Bachelor of Engineering (B.E.) Computer Engineering**
  Government College of Engineering and Research, Avasari, Pune;

Technical Skills

- **Programming Languages:**
  Python, R language, Java, C++
- **Frameworks:**
  TensorFlow, Keras, Pytorch, scikit-learn, FastAPI, Flask, Django, React, Node.js

Core Competencies

Image Processing and Computer Vision

Machine Learning and Deep Learning

Neural Networks (CNNs, RCNNs, YOLO)

Generative A.I

Data Structures And Algorithms

Django

Artificial Neural Network

Docker

SKILLS

- **Programming Languages**: Java, Python, C++, R
- **Machine Learning Techniques:** Regression, Classification, Random Forest, Neural Networks, Hierarchical Models
- **Image Processing:** Object Detection, Segmentation (YOLO, RCNN), Image Preprocessing, Feature Extraction
- **Computer Vision Tasks:** Object Detection, OCR (Optical Character Recognition), Bounding Box Annotations
- **Model Deployment:** Flask, FastAPI, Streamlit, Docker

POSITION OF RESPONSIBILITY

Intern at Aii venture | 30 N Gould St Ste R, Sheridan, WY 82801 USA

(2023- Present)

AI-Powered Chess Move Analyzer

- Developed ChessAnalyzer, an AI-driven tool that analyzes chessboard positions in real-time and suggests the best possible move using YOLOv8 and Stockfish.
- Engineered a robust **YOLOv8-based** chessboard and piece detection system, enabling precise identification of all pieces and their positions from an uploaded or captured image.
- Integrated **Stockfish**, a powerful chess engine, to compute and recommend the strongest move based on the detected board state.
- Utilized **OpenCV** for image processing and perspective correction, ensuring accurate board recognition.
- Designed an interactive and user-friendly UI using **Streamlit**, providing seamless real-time chess analysis for players of all levels.

AI-Powered Interview Analysis System

- Developed a custom meeting application to enhance interview processes with real-time and post-interview analytics.
- Engineered a low-latency (under 2 seconds) live captioning system for accurate and seamless transcription
- Implemented AI-driven question generation to assist interviewers with dynamic and context-aware suggestions.
- Designed post-analysis features, including confidence assessment and gaze tracking, to detect potential cheating and improve evaluation accuracy.
- Leveraged advanced AI and NLP techniques to ensure a data-driven, fair, and efficient hiring process.