

Sanket Sonkusare

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WORK EXPERIENCE

Machine Learning Intern, Manastik Nov 2023 - Apr 2024

- Leveraging TFLite, I've built a high-performance MediaPipe pose detection model with 93% accuracy for real-time applications.
- Built a pose estimation model with a repetition counter, trained on a dataset of 10,000 exercise photos, achieving 95% accuracy.
- Designed a product flow of posture detection in the app with 3 different scoring metrics based on yoga performed.

Data Science Consultant, Rubixe Dec 2022 - May 2023

- Prepared 3GB+ data for analysis by cleaning, preprocessing, and validating it.
- Analyzed the data with Python's Pandas, NumPy, Matplotlib, Scikit-learn, and TensorFlow libraries with 9+ Visualisation types.
- Implemented 10+ machine learning models, employing hyper-parameter tuning and cross-validation for optimal performance based on project needs.

PROJECTS

Convo - AI Powerd Chat Application

- A modern real-time chat application with integrated AI assistant, built with React, Node.js, Socket.IO, and OpenRouter AI.

GitHub API Wrapper

- Built a Node.js wrapper for GitHub REST API v3 using Axios, enabling access to user profiles, repos, issues, and PRs. Secured with dotenv-based API token auth and published as @sassysanket/github-wrapper on npm. Tech: Node.js, REST API, Axios, JavaScript

Wordwave — MERN Blog Platform

- Developed a full-stack blog app with JWT auth, real-time comments, and like functionality using MERN stack. Deployed on Render with responsive UI (Tailwind) and MongoDB Atlas integration. Tech: React, Node.js, Express, MongoDB, Tailwind CSS

EDUCATION

2023 - present	M.tech (Data Science and Analytics) at MIT WPU, Pune	
2019 - 2023	B.tech (Computer Engineering) at DPCOE, Pune	(GPA: 8.0)
2017 - 2019	Higher Secondary Education at Sri Chaitanya, Hyderabad	(77%)

SKILLS

Languages	Python, Java, C++, R
Development	MERN Stack
Data Analysis Tools	RStudio, Tableau, Power BI, Excel
Databases	NoSQL, MySQL, Neo4j
Data Processing Libraries	Pandas, TensorFlow, Matplotlib, NumPy, Scikit-Learn, pyautogui, Seaborn, MediaPipe