

Kedarnath Mane

AI/ML Engineer | Data Science Enthusiast

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ABOUT ME

Aspiring AI/ML Engineer with experience in machine learning, NLP, generative AI, RAG systems, and intelligent automation. Skilled in building end-to-end AI applications from model development to deployment. Passionate about creating practical solutions that solve real-world problems.

WORK EXPERIENCE

Peepri Apparels, AI & Brand Design Intern 04/2026 – present | Remote

- Worked on AI-powered fashion content creation and branding at Peepri Apparels
- Used prompt engineering and AI tools for T-shirt and model design generation
- Managed Shopify store operations, including product listings and updates
- Created Instagram content to improve brand engagement and online presence
- Assisted with email marketing campaigns and promotional content creation
- Developed creative content aligned with the brand's streetwear identity

Null Class, Data Science Intern 08/2025 – 09/2025 | Remote

- Developed machine learning models for Age Detection, Car Color Classification, and Speech Emotion Recognition with strong prediction accuracy across multiple datasets.
- Used Python, TensorFlow, scikit-learn, and OpenCV for data preprocessing, feature extraction, model training, and evaluation.
- Applied deep learning and computer vision techniques to solve real-world AI classification and recognition problems.
- Presented project workflows, performance metrics, and key insights effectively to mentors and team members.

EDUCATION

Bachelor of Engineering (B.E.) – IT CGPA: 7.38, 2023 – 2027 | palghar

St. John College of Engineering and Management
Focus areas: Data Science and Machine Learning

Completed Higher Secondary Education (HSC), P.G junior college, bordi 2021 – 2023 | Bordi

SKILLS

Programming Languages: Python | JavaScript | Java

Machine Learning & AI: Scikit-learn | TensorFlow/keras | Retrieval-Augmented Generation (RAG) | Prompt Engineering

Data Science & Analytics: Power BI | SQL | Data Structures & Algorithms (DSA) | Excel | Data Visualization | Data Cleaning & Preprocessing

Web & Deployment: FastAPI | Flask | Next.js | React | Render | Vercel | REST APIs

Tools & Version Control: Git | GitHub | LangChain | ChromaDB | OpenRouter

PROJECTS

RAG-Based Personal Knowledge Assistant

- Built a RAG-powered document assistant that transforms PDFs into a searchable knowledge base using LangChain and ChromaDB.
- Implemented semantic retrieval with vector embeddings to provide context-grounded answers and reduce LLM hallucinations.
- Developed a full-stack application using FastAPI and Next.js for document ingestion and conversational question answering.

Mental Health Emotion Detection using DistilBERT

- Fine-tuned a DistilBERT transformer model to classify mental health-related emotions in text (anxiety, depression, normal, suicidal).
- Built a FastAPI-based REST API to enable real-time predictions for user input text.
- Performed tokenization using Hugging Face Transformers and evaluated model performance using precision, recall, F1-score, and accuracy.
- Deployed the model on Render and integrated an interactive interface using Hugging Face Spaces (Gradio).

LifeScreen-Analytics-Digital Behavior Intelligence System

- Developed a Random Forest model to predict mobile addiction risk using behavioral data, applying preprocessing and effective model selection.
- Built an interactive Streamlit dashboard with Plotly visualizations to provide real-time insights and interpretable predictions through an end-to-end ML pipeline.

CERTIFICATES

- Data Analysis with Python
- Machine Learning with Python Level 1
- AI-ML Google Workshop Participant
- Machine Learning with Python

ACHIEVEMENT

Leetcode

- Solved 250+ Data Structures and Algorithms problems on LeetCode, strengthening problem-solving and algorithmic thinking skills.
- Completed 50 Days Coding Challenge, demonstrating consistency and disciplined learning habits.