NIHAL PARDESHI

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Profile Summary

AI/ML undergrad with hands-on exposure to core machine learning concepts including regression, classification, and clustering. Built multiple proof-of-concept projects involving sentiment analysis and mood detection using Hugging Face models and cloud tools like AWS. Comfortable with Python, Pandas, and basic EDA workflows. Focused on applying ML techniques to real-world challenges while building a strong foundation in applied AI.

Carrer Objective

Aspiring AI/ML engineer passionate about building scalable, real-world AI applications. Keen on exploring the full capabilities of Artificial Intelligence to automate complex processes, reduce human effort, and contribute to solutions that improve efficiency and impact. Focused on turning innovative ideas into practical tools using modern AI frameworks and cloud technologies.

Education
B.Tech in CSE (AI/ML Specialization)
Vishwakarma University, Pune
Aug. 2023 – May 2027

- Relevant coursework: Python Programming, Web Technologies, Prompt Engineering, Statistical Analysis, Business Intelligence
- Hackathon Moderator: Organized and managed a successful college hackathon, fostering collaboration among participants.

Projects

Moodify (Under Development) - Affective Computing Music Recommendation System
May. 2024 – Present

- Developed a web application that detects user's mood through emoji slider and text input to recommend mood-matched music.
- Built a chat interface component enabling users to describe their emotional states through natural language.
- Designed a responsive UI in React with an interactive slider and conversational interface.
- Used Spotify API (PKCE flow) to fetch personalized playlists based on detected mood.
- Hosted on GitHub Pages. Established Vercel deployment workflow with automatic redirection between landing page and application.

- **Technologies:** React.js, JavaScript, Hugging Face, Spotify Web API, Tailwind CSS, Git, GitHub Pages

100 Days of ML
Nov. 2024 – Present

- Public initiative simplifying ML workflows and concepts for beginners.
- Published insights on feature engineering, model evaluation, and deployment strategies
- **Outcome:** Garnered positive feedback for making AI concepts accessible and actionable.

Anxiety Detection Tool
Oct. 2024

- Developed an offline anxiety detection tool using Hugging Face's DistilBERT for real-time sentiment analysis.
- Optimized API integration to improve responsiveness and reduce latency.
- **Outcome:** Enhanced accessibility for early mental health detection.
- **Technologies:** HTML, CSS, JavaScript, Hugging Face API.

Pune Waste Classification (Toy ML Project)
Sep. 2024

- Cleaned Pune waste dataset using Pandas; visualized data with Matplotlib.
- Built a basic logistic regression classifier using Scikit-learn (guided YouTube-based project).
- Technologies: Pandas, NumPy, Matplotlib, Scikit-learn.

Daily Affirmation Delivery Bot
June. 2025

- Built a no-code automation using Make.com and Telegram Bot API to send personalized affirmations twice daily (morning and night).
- Configured time-based triggers and dynamic message formatting for consistent self-check-in reminders.
- Used Make.com's scheduling and Telegram modules to fully automate delivery, eliminating manual effort and improving mental wellness consistency.
- **Outcome**: Enhanced productivity and focus by embedding positive habit loops into the daily routine.
- **Technologies**: Make.com, Telegram Bot API, No-Code

Image Generation with Fooocus
Sep. 2024

- Experimented with Fooocus for creative AI-driven image generation.
- Integrated AI-generated visuals into presentations and content, showcasing the potential of generative AI.
- Integrated visuals into creative content and presentations.
- Made an AI model for Instagram with stunning features

Technical Skills

- **Programming Languages:** Python, SQL, C, C++, JavaScript, HTML, CSS, SQL (basic), R Programming
- **Libraries/Tools:** Pandas, NumPy, Matplotlib, Scikit-learn, Hugging Face Transformers
- **Machine Learning/ Frameworks:** Hugging Face, Classification, Regression, Clustering (basic understanding)
- **AI/Cloud Platforms:** AWS (Amazon API Gateway, Amazon Bedrock, Game Hosting, Amazon Q), Google Colab, Jupyter Notebook.
- **AI Tools:** ChatGPT, Claude, Gemini, CoPilot, Fooocus.
- **Core Skills:** Sentiment Analysis, AI Model Deployment, Prompt Engineering, Front-End Development, API Integration.
- **EDA Knowledge:** Univariate, Bivariate, and basic Multivariate analysis
- **Visualization Tools:** IBM Cognos, Power BI

Internships
Currently seeking internship opportunities in AI/ML and data-driven roles.

Certifications

- **Introduction to Amazon API Gateway:** Designed and deployed APIs for cloud-based applications (*Completed: July 2024*).
- **AWS Certified Cloud (Getting Started with Games):** Focused on foundational AWS services for game hosting and cloud (*Completed: Feb. 2024*).
- **Amazon Bedrock Generative AI Certification:** Proficient in deploying and managing generative AI models (*Completed: Aug. 2024*).

Achievements

- Winner of multiple gaming tournaments, including *The Finals*, showcasing teamwork and competitive problem-solving.
- Successfully managed and moderated a college hackathon, fostering innovation and collaboration among participants.

Interests

- **AI Research:** Exploring multi-party computation (MPC) and blockchain-based agents for on-chain transactions.
- **Gaming and AI:** Integrating AI solutions to enhance player experiences and engagement.
- **Public Speaking & Writing:** Simplifying AI concepts through blogs and tutorials to inspire and educate others.