Vedant Dilip Shinde

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EDUCATION

NSE High School and Junior College Thane, Navi Mumbai
12th Science CBSE *Apr 2020 – Apr 2022*

Ramrao Adik Institute of Technology Nerul, Navi Mumbai
Bachelor of Technology in Computer Science and Engineering (AIML) *Aug 2022 – Present*

PROJECTS

Hiring Funnel Interview Optimizer Oct 2025 – Nov 2025
Python, MongoDB, TypeScript, GroqAI, AgenticAI
- Integrated AI and NLP pipelines using the Groq API to generate real-time **semantic analysis** of candidate responses, improving evaluation speed by **40%** and reducing manual bias.
- Engineered interactive performance dashboards displaying over **15+ hiring KPIs**, enabling recruiters to identify strengths and improvement areas **30% faster**.
- Built scalable Node.js/Express backend endpoints to handle high-volume AI processing requests efficiently.

Antro Mar 2024 – May 2024
Python, MongoDB, JavaScript, HTML/CSS, Phidata, AgenticAI
- Designed an e-commerce platform with an AI-powered Interior Design Assistant, capable of analyzing room images and generating **tailored recommendations** per query.
- Implemented image processing for room photos or videos up to **10MB**, with the interior AI assistant providing actionable improvement recommendations.
- Integrated clean website layout with seamless payment processing options.

Parkinson's Disease Prediction June 2024 – Sep 2024
Python, Machine Learning, Flask, Dash
- Applied data preprocessing, feature engineering, SMOTEENN and Stacking ensemble reducing class imbalance by **60%** and enhancing model generalization across **198** patient voice samples.
- Created a comprehensive ML pipeline using SVM, Random Forest, Gradient Boosting, and Stacking, achieving an overall accuracy of **71.15%**, improving baseline prediction performance by **18%**.

CERTIFICATES

Statistical Learning with Python | *Stanford Online* Jan 2022 – Feb 2022
- Constructed predictive models (linear/logistic regression, decision trees, KNN) using Python, scikit-learn, pandas, and NumPy, achieving up to **87%** model accuracy across tasks.
- Applied feature engineering, PCA, cross-validation, and hyperparameter tuning, resulting in **20%** improvement in accuracy and **25%** reduction in model training time.

Machine Learning and AI with Python | *HarvardX* May 2024 – Jul 2024
- Engineered ML models for classification, regression, and clustering using scikit-learn, TensorFlow, and pandas, achieving up to **90%** accuracy on benchmark datasets.
- Implemented supervised, unsupervised, and reinforcement learning pipelines, improving model evaluation consistency by **30%** and accelerating experimentation through optimized visualization workflows (matplotlib, seaborn).

TECHNICAL SKILLS

Languages: JavaScript, Python, TypeScript, R, C, Java, SQL, React
Backend: Postman, Flask, FastAPI, Docker, MLFlow, Express
Cloud/Databases: Vector Database, SQL, MongoDB, Heroku, Vercel, AWS
Frameworks: LangChain, LLM, AgenticAI, Flask, Streamlit, OpenCV, NLP, HuggingFace, PyTorch
Data & ML Tools: LangChain, LLM, AgenticAI, Phidata, TensorFlow, Git, GitHub, Jira, Power BI, Tableau, Alteryx
Soft Skills: Data-Driven Decisions, Problem-Solving, Technical Communication, Critical Thinking