VIRAJ VORA

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CAREER OBJECTIVE

Computer Engineering student seeking opportunities to leverage expertise in AI/ML, Generative AI, computer vision and web development. Passionate about creating innovative solutions with tangible impact, bringing strong analytical skills and proven ability to develop cutting-edge applications.

EDUCATION

B.Tech, Computer Science & Engineering 2023 - 2027
Veermata Jijabai Technological Institute

CGPA: 8.51/10

TRAININGS / CERTIFICATIONS

Generative Ai With Large Language Models (LLM)
Mar 2025 - Present

Deep Learning.ai, Virtual

Open Source Development, Linux And Git
Nov 2024

The Linux Foundation, Virtual

<!--StartFragment-->I completed the 'Open Source Software Development, Linux and Git' certification by The Linux Foundation. This highly-rated program (4.6/5 stars with 44K students enrolled) provided me with skills in Project Management, DevOps and Collaboration. I gained expertise in Linux operating systems, Git for distributed development, and open source software methodology. The certification includes four courses: Open Source Software Development Methods, Linux for Developers, Linux Tools for Developers, and Using Git for Distributed Development.<!--EndFragment-->

Neural Networks And Deep Learning
Jul 2024 - Aug 2024

Deeplearning.ai, Virtual

<!--StartFragment-->I completed the Deep Learning specialization by DeepLearning.AI, founded by AI pioneer Andrew Ng. This rigorous program equipped me with comprehensive skills in neural networks, deep learning architectures, and machine learning algorithms. I gained both theoretical knowledge and practical implementation experience in building and optimizing neural network models. The course covered essential concepts like network architecture, calculus, regression models, and programming techniques specific to AI applications. This training has prepared me to apply cutting-edge deep learning approaches to solve complex real-world problems.<!--EndFragment-->

PORTFOLIO

CodeChef link ↗

Figma link ↗

GitHub link ↗

Leetcode link ↗

PROJECTS

AI-Powered Chat app powered by RAG ↗

Apr 2025

<!--StartFragment-->– Developed an interactive RAG-based chat application using Streamlit for frontend and Python + LangChain for backend document processing,retrieval and processing.
– Integrated Groq API for high-performance LLM responses and enabled dynamic uploading of PDFs, text files, and websites as real-time knowledge sources.
– Built backend support for incremental knowledge base updates during live conversations, improving document response relevance by 60% with interactive Plotly visualizations.
<!--StartFragment-->– Tech Stack : Python, LangChain, Streamlit, RAG<!--EndFragment-->
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Decora- Virtual Interior Designer ↗

Nov 2024 - Dec 2024

<!--StartFragment-->– Designed 2D-to-3D floorplan conversion module using KonvaJS and Three.js rendering reducing processing time by 40%
– Integrated 3D furniture models via web scraping from Sketchfab and scraping 5000+ other furniture options from online stores like Amazon and IKEA with personalized cart for users.
– Built Auth0-authenticated React frontend with project persistence functionality
– Developed renovation cost prediction model using linear regression and housing metadata with accuracy of 88%<!--EndFragment--><!--StartFragment-->– Tech Stack : <!--StartFragment-->React, Three.js, Konva.js, ML<!--EndFragment--> <!--EndFragment-->
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ExpenFlow- AI-Powered Expense Management ↗

Jan 2025 - Feb 2025

<!--StartFragment-->– Engineered OCR pipeline for receipt processing with 95% accuracy reducing manual correction by 80%
– Implemented LLM Driven policy validation and flagging violations with 93% accuracy reducing HR review time by 40% along with automated expense report generation reducing manual report generation by 100%
– Designed interactive dashboards for financial analytics visualization
– Developed automated email notification system for HR reporting workflows
<!--StartFragment-->– Tech Stack : Python, Langchain, OCR, React<!--EndFragment-->
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XCELERATE- Autonomous Vehicle Innovation ↗

Jul 2024 - Oct 2024

<!--EndFragment-->– Implemented real-time lane detection using OpenCV and edge detection algorithms with accuracy of 95%– Developed a CNN model for traffic sign recognition, achieving 98% accuracy on GTSRB dataset– Integrated YOLOv8 for multi-object detection and tracking in urban environments with 90% accuracy– Engineered a JavaScript-based simulator with autonomous navigation and driving capabilities by using Genetic Algorithm– Deployed Fine Tuned NVIDIA's architecture for behavior cloning in Udacity self-driving car simulator reducing lane deviation by 30% <!--StartFragment--> <!--StartFragment-->Tech Stack :<!--EndFragment--> Python, TensorFlow, YOLO, OpenCV, CNN<!--EndFragment-->

SKILLS

- Python
- MS-Excel
- Algorithms
- Generative AI Development
- C++ Programming
- Natural Language Processing (NLP)
- Google Colab
- Machine Learning
- Deep Learning
- Artificial intelligence
- Web development
- SQL
- GitHub
- Microsoft Visual Studio
- Data Analytics
- Data Structures
- Neural Networks
- Generative AI Tools
- Database Management System (DBMS)
- Data Extraction
- Figma

EXTRA CURRICULAR ACTIVITIES

- ○ <!--StartFragment-->Marketing Executive, Pratibimb, VJTI :
  Boosted social media engagement by 40% through targeted content strategy and produced 15+ promotional videos
  ○ Open-Source Workshop Lead, ProjectX, VJTI :
  Conducted Python/Git workshop and OpenCV workshop for 100+ participants with 95% satisfaction rate along with mentoring a group of 6 juniors.<!--EndFragment-->

ADDITIONAL DETAILS

- Ranked 5th in CodeHunt, a National Coding Competition (COC VJTI)