

VIRAJ KOTHARI

AI Developer | Machine Learning | Data Science
8780701769 • virajkothari934@gmail.com • Ahmedabad, Gujarat

Summary

As a passionate AI Developer with 1 year of experience, I thrive at the intersection of innovation and impact. From crafting customer segmentation tools to building cryptocurrency trading bots and floor plan detection systems, I specialize in transforming complex problems into practical AI solutions. With a solid foundation in Python, data science, and machine learning, I bring ideas to life through dynamic, scalable applications. I've sharpened my technical acumen through hands-on projects and internships. Driven by curiosity and a vision to redefine possibilities with AI, I am eager to shape the future with cutting-edge technology and meaningful insights.

Experience

iGenerate Technology Private Limited

AI Developer

03/2024 - 11/2024

- Pursuing advanced Python and application development with tools like LangChain and Llamaindex.
- Acquiring hands-on experience with LLMs and chatbot development.
- Scraped and analyzed data from platforms like NoonFood, EatEasy, Talabat, Zomato and Deliveroo for insights.

Agile Infoways

Data Scientist

2025 - Present

- Utilized OpenCV, Pillow, and various libraries for image processing and computer vision tasks.
- Developed solutions to enhance image analysis, object detection, and automation processes.

Projects

SCULP ME

Created a facial analysis system for better feature detection, emphasizing lips, chin, and cheeks.

- Used libraries like FaceMesh and DLib to enhance facial feature detection and analysis with high precision..
- Applied in medical fields for better facial structure assessment.

ORDER BOT AND ANALYTICS BOT

Designed for forward-thinking restaurants, and delivery platforms aiming to redefine customer engagement and operational excellence.

- Increased customer satisfaction by 40% through AI-driven personalized recommendations, leveraging user behavior analytics to suggest tailored menu items.
- Revolutionized order placement by developing a conversational AI bot, improving transaction efficiency by 30% through natural language understanding and personalized engagement.

CNN BASED DISEASES PREDICTION MODEL

Designed deep learning algorithms for medical diagnosis, with a specific emphasis on detecting diseases early.

- Designed CNN-based algorithms for brain tumor identification and skin cancer classification.
- Improved diagnostic accuracy with the help of sophisticated image processing techniques.

RAG-BASED AI SYSTEMS FOR DATABASES

Implemented Retrieval-Augmented Generation (RAG) for smart database querying over structured and unstructured data.

- Applied RAG methods on PostgreSQL (relational) and MongoDB (NoSQL) for efficient retrieval.
- Enhanced AI-based data synthesis and response precision.

N8N WORKFLOW FOR AI-POWERED CODE SEARCH AND RETRIEVAL

Developed an AI-augmented workflow for automated code retrieval and generation, enhancing development productivity.

- Designed an n8n-based system that combines MongoDB RAG with Atlas Vector Store.
- Automated storage, retrieval, and smart code search workflows.

DEEPCRAPE

Built a high-volume web scraping system for business insights for key food delivery websites.

- Scraped and analyzed Noon Food, Talabat, Eat Easy, and Deliveroo data.
- Collected menu information, best-selling restaurants, and pricing strategies for competitive analysis.

Education

Lj Institute of Engineering and Technology
B-Tech in Information Technology

Ahmedabad, Gujarat
06/2020 - 06/2024

Skills

Git hub • pandas • Git • Data Mining • Data Science • Data Warehousing • Matplotlib • Seaborn • FastAPI • Flask • Machine Learning • Python •
Sci-kit learn • NumPy • TensorFlow • Pytorch • MongoDB • Natural Language Processing • Pillow • Opencv • Huggingface