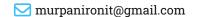
Ronit Murpani







Mumbai, India



ronitttm

WORK EXPERIENCE

LUME Global INC

AI Software Engineer June 2025 - Present

- Contributing to the development of LMS and Skill Development Platforms for the Government of Oman.
- · Leveraging the MERN stack, Python and Generative AI to deliver personalized educational content.
- Deploying scalable services with AWS, Docker and Jenkins for high availability and CI/CD.
- Building and integrating REST and GraphQL APIs for seamless interoperability.

YES CRM CONSULTANTS

Analyst July 2024 - June 2025

- · Customized and implemented Zoho CRM solutions to optimize client workflows and improve user experience.
- Interacted with stakeholders to gather business requirements and deliver tailored Zoho applications.

EDUCATION

Vidyalankar Institute of Technology

Bachelors of Engineering in Information Technology - 9.46 CGPA

2020 - 2024

SKILLS

Programming & Databases: Python, SQL (PostgreSQL)

AI/ML & Frameworks: Machine Learning, Deep Learning, NLP, LLMs, Generative AI, scikit-learn, Hugging Face, NumPy,

Backend Development: Django, Django REST Framework (DRF), FastAPI, Flask, REST APIs, GraphQL

Cloud & DevOps: AWS, Docker, Linux, Shell Scripting

Tools & Platforms: Git, GitHub, Postman, Jupyter, Google Colab

PROJECT

FitBuddy AI - AI Fitness Chatbot

- · Created a chatbot using DeepSeek API via Hugging Face for personalized fitness and nutrition guidance.
- Designed an interactive Streamlit UI with custom PDF generation for conversation plans.
- Implemented RAG-based functionality to allow users to chat with health and nutrition documents for contextual answers.
- Enhanced UX by cleaning model outputs with regex and formatting responses in markdown.

Cryptocalci – Virtual Cryptography Lab 🔀

- Built an interactive virtual lab using Django and PostgreSQL.
- Improved student engagement by 20% and knowledge retention by 50%.
- Integrated Firebase for the seamless storage of user-generated images to increase safety.

Cardiac Arrhythmia Prediction

- Developed a machine learning model to predict cardiac arrhythmias with high accuracy using ECG data.
- Preprocessed and analyzed ECG data, applied feature engineering and trained a classification model to improve diagnostic precision.
- · Collaborated with healthcare professionals for model validation.

CERTIFICATES AND RESEARCH WORK

Oracle Cloud Infrastructure 2023 Certified Foundations Associate



SAS Certified Machine Learning Rock Star



Postman API Fundamentals Student Expert 🔀

"CryptoLabs- A Virtual Playground and Lab for Learning Cryptography" - Published in IEEE Xplore 🛛 🔀

"Machine Learning Algorithms for predicting Cardiac Arrhythmias - Published in Springer" 🛛 🔀

