VINIT LATHIWALA

Portfolio: https://vinit-lathiwala.vercel.app/
LinkedIn: www.linkedin.com/in/vinit-lathiwala
Email: vinitlathiwalav38@gmail.com
GitHub: https://github.com/Vinitv38
P: +91-9370004574

EDUCATION

VIT Bhopal University - B.Tech (CSE) with specialization in AI/ML
CGPA – 8.94/10
Bhopal, Madhya Pradesh
Expected May 2025

Dr. Ambedkar College – XII **(**Maharashtra Board)
Percentage – 92.67%
Nagpur, Maharashtra
Sept 2021

Yavatmal Public School – X (CBSE)
Percentage – 86%
Yavatmal, Maharashtra
Aug 2019

SKILLS

Technical Skills: Python, AI, Machine Learning, NLP, Computer Vision, Flask, Django, HTML/CSS, JavaScript
Certification: AWS Certified Solutions Architect – Associate (Feb 2024), Applied Machine Learning in Python, Coursera (2022)

EXPERIENCE

AWSOMELLC
AI/ML Intern   25th June – present
- Experience in Fine-tuning large language models (LLMs) to enhance their performance for specific tasks
- Optimized backend systems using Django resulting in improvement in system efficiency
- Learned more skills like, handling APIs through POSTMAN and Prompt engineering.

PROJECTS

DETECTING COVID-19 FROM CHEST X-RAYS
- Engineered an AI app using VGG-16 CNN to classify chest X-rays for COVID-19, pneumonia and normal conditions.
- Achieved 98% training accuracy and 96% testing accuracy on a dataset of 6,000 images.
- Integrated the model with a frontend using Flask, HTML5, CSS3, and JavaScript
- Link: https://github.com/Vinitv38/Covid-19-detection-using-Deep-Learning

FOOD AI-CHATBOT
- Designed an AI-powered chatbot for online food ordering, facilitating custom inputs and order tracking via unique Id
- Utilized Google DialogFlow with Python, Flask and FastAPI for natural language understanding and backend support.
- Managed data storage and order tracking using SQL, ensuring reliable performance for real-time queries.
- Link: https://github.com/Vinitv38/Food-ChatBot

TICKET SUPPORT SYSTEM
- Developed a user-friendly web-page for users to request support, specifying issue details, priority, and department, built entirely on Amazon Web Services (AWS).
- Implemented a ticket confirmation email system for users upon submission, and server-side notifications to address issues.
- Leveraged AWS S3 Bucket for storage, Lambda for serverless computing, API Gateway for API management, DynamoDB for database needs, and SNS for notifications.
- Created a seamless interface using HTML, CSS, and JavaScript, ensuring seamless integration with AWS backend services

ACHIEVEMENTS

AEROTHON 2024 – (Aerial Eyes)   June - present
Autonomous control of UAV
- Secured 4th place in a SAE India group hackathon, spearheading the ideation and development of an autonomous drone for field operations, including object detection and payload dropping.

SIH 2023 – (Visioners)   Sept 2023
Selected for finals with an application designed to boost Small and Medium Enterprise business during college rounds

ADDITIONAL

Hobbies: Astronomy, Badminton, Sketching, Travelling
Languages: English, Hindi, Gujarati, Marathi