

MAYURDHVAJSINH JADEJA

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WORK EXPERIENCE

ZURU TECH

Junior Software Engineer

Ahmedabad, India

August 2023 – Present

- Developed and optimized REST APIs for multiple live projects, ensuring high performance and scalability.
- Designed and managed databases to support large-scale applications with structured and unstructured data.
- Worked on AI-powered chatbot integration to automate customer interactions and responses.
- Collaborated with cross-functional teams to integrate APIs, troubleshoot issues, and enhance system reliability.

Backend Developer Intern

May 2023 – July 2023

- Learned and gained hands-on experience with Node.js, JavaScript, NoSQL, and SQL databases.
- Worked on developing basic server-side logic and API structures in a test environment.
- Collaborated with the frontend team to understand API integration and debugging processes.
- Participated in a GoLang workshop to expand expertise in backend development.

TECHNOCOLABS SOFTWARES

Data Analyst Intern

Remote, India

May 2022 – July 2022

- Developed and deployed Machine Learning models for sales prediction and H1B visa approval analysis.
- Implemented AI/ML algorithms such as Regression, Decision Trees, Random Forest and XGBoost.
- Performed Exploratory Data Analysis (EDA) and Feature Engineering to enhance model accuracy.
- Optimized and deployed models on live servers, enabling real-time predictions.

TECHNICAL SKILLS

AI/ML | Python | Go | JavaScript | Node.js | FastAPI | gRPC | RESTful APIs | LangChain | LLM | Git | SQL | NoSQL

EDUCATION

MARWADI UNIVERSITY

Bachelor of Technology in Information & Communication Technology – CGPA: 8.22/10

Rajkot, India

2020-2024

PERSONAL PROJECTS

DevLipi—Custom Interpreted Programming Language

[Demo Link](#)

- Built with a JavaScript-powered backend for a robust and scalable foundation.
- Functions as an interpreted language, enabling step-by-step code execution.
- Developed using a structured pipeline with Lexer, Parser, and Interpreter.
- Developed a VS Code extension for syntax highlighting as part of the project.

KanhaSays - GitaGPT—AI-Powered Bhagavad Gita Chatbot

[GitHub Link](#)

- Utilizes NLP techniques to analyse user input and determine question intent.
- AI model trained on Bhagavad Gita text identifies and retrieves relevant quotes based on context.
- Leverages a large dataset and robust algorithms to provide meaningful and motivational responses.
- Enables users to ask life-related questions, receiving insightful quotes for guidance and motivation.

Sign Language to Text & Speech Converter—Computer Vision & NLP

[GitHub Link](#)

- Developed a real-time hand sign recognition system using MediaPipe for hand tracking and feature extraction.
- Utilized LSTM-based models in Keras for accurate gesture interpretation.
- Trained the model on a self-collected video dataset of hand signs for accurate recognition.
- Converts recognized signs into text display or speech output using text-to-speech (TTS) technology.

ADDITIONAL

- Published a design patent for a [Food Waste Compost Machine](#) during my 3rd year of bachelor's.
- Selected for Amazon ML Summer School 2022 and ISRO-IIRS ML to Deep Learning Course.
- Certified in AI & ML ([Udacity](#), [IBM](#), [ISRO](#), [Kaggle](#), [AWS Educate](#)).
- Intel Student Ambassador for oneAPI
- GitHub Global Campus Student.