

Jatinkumar Parmar

Linkedin:@[JHPARMAR](#) | GitHub: @ [parmarjh](#) | LinkTree :@ [jhparmar](#) | Youtube: @ [funinaiofficial](#)



Contact No :+91_70166 81896 , 85113 48430

Email: parmarjatin4911@gmail.com

ABOUT ME/SUMMARY.

I'm a Software Engineer, Python - Data scientist, AI - Data - Mlops and researcher and Development Tech Enthusiast with 6+ years of experience and Total 18+ years of experience in wide functions including Predictive modelling, Data Pre-processing, Feature engineering, Machine learning and Deep learning, Computer Vision, Natural Language Processing, Audio Processing, Satellite image Processing, Quantum Computing, Signal Processing, Prompt engineer, LLM, stable diffusion, Gen AI..

EDUCATION:.

Mahatma Gandhi University, Mumbai BCA, February 2014 - May 2017 71.50%

Information Technical Institute, Kamrej, Surat COPA - NCVT July 2008-September, 2009 74.50%

Skill & Abilities. : C/C++, Data Analyst, Python, R, HTML/CSS, JAVA, **Data Science, Machine learning, GEN Artificial Intelligent, Deep learning, MLOPS, Dataops, RPA, AI Chat BOT, Microsoft Office.**

Frameworks. :Flasks, Streamlit, Gradio, [opencv](#), TensorFlow, PyTorch, Keras, Scikit-Learn **Deployment.**:AWS, Azure, GCP.

Developer Tools. : Pycharm, VSC, Jupyter Notebook, Google Colab, Github, Git,

Mlops Tool: ModelDB, Kuberflow, Pachyderm, Data Version Control,

Libraries. : Numpy, Pandas, Scipy, Scikit Learn, Matplotlib, Seaborn, NLP, OPENCV, OCR, GPT-3, openai, Tensorflow, yolov.

Operating System.:Windows, Linux, Ubuntu. **Module:** Raspberry Pi, Jetson nano, esp-32

ONLINE COURSE CERTIFICATES:.

|Diploma in DevOps Engineering-kubernetes, Docker and Google Cloud |Data Analytics with Python. |Google Baseline -AI, ML, IIOT|Transformation and Image Enhancement. |EV Design Master class|Diploma in Project Manager|Robotic Process automation (RPA)|Introduction to Drones - Revised. |Cognitive Robotics: Intelligence Theories and Cognitive Networks Explainable AI | Deploying ML Pipeline Using PyCaret | Convolutional Neural Network|Deploying and image classification model using flasks.: | An Introduction to Attention Models in Computer Vision. Chatbot Developer..

PERSONAL SKILLS:.

- Project Management : Team work : Leadership and Goal setting : Interpersonal skills

RELEVANT COURSES:.

- Data mining : Statistics for Data science : Topics in Machine learning.
- Information Retrieval and basics of NLP : Time series analysis :Computer Vision.
- Data structures Algorithms :Operating systems : IT Workshop and IT Systems.

INTERSHIPS

- **PANTECH: AI/ML/IOT/DATA SCIENCE : | PIXATE: OPENCV GOOGLE COLAB | ROBOTICS ENGINEER TCS. : SPARK FOUNDATION: IOT & CV | SCET: ADVANCE DL & ML SIGNAL PROGRAMMING. | PANTECH: BRAIN COMPUTER INTERFACE | TECHLEARN: CAMPUS LEADER :| GSRTC Apprenticeship(Intern) PASA**

AWARDS: . **GSRTC-SURAT** CNG Duplicate Over Writing Bill ,Duplication Bill Entry,Fraud Detection Solve Award. With save money Rs.2.15,14.220/- (Years 2009-2010) (SUSHMABEN MUNIM/JATIN PARMAR REPORT SHARE GSRTC MANAGING DIRECTOR)

Experience:.

Freelancer.

Data science AI /ML Engineer.

- Integrated RAG for multiple languages and file formats(PDFs, CSVs, and excel). It's used for QA from documents, analyzing data, and creating user-specific plots. Also working around LLMs like GPT-4 to add better capabilities.
- Added new Inverse Prediction flow. This led to a 32% reduction in the prediction time for material properties based on a set of ingredients.
- Developed Explainable AI for regression and classification models. Multiple charts are shown explaining the model's way of predicting.
- Reduced Machine Learning API response time by 20%. Integrated data sanity flow before model training.

SHIV AI LLP & EZ LLM.(June-2023- March-2024)

- ★ Data science base AI Blip Image to text and stable Diffusion api Created with Deployment AWS Sage maker ec2
- ★ Proficient in monitoring build and production systems using automated monitoring and alarm tools
- ★ Expertise in popular machine learning frameworks, including TensorFlow, PyTorch, Keras, and Scikit-Learn.
- ★ Familiarity with MLOps tools such as ModelDB, Kubeflow, Pachyderm, and Data Version Control (DVC).
- ★ Experience in supporting model builds and deployment for IDE-based models and autoML tools.
- ★ Proficiency in experiment tracking, model management, version tracking, model training, and hyperparameter , [finetune](#) , [mistral 7b](#) , optimization.
- ★ Expertise in model evaluation and explainability using tools like SHAP and Tensorboard.
- ★ Experience with Databricks, Azure DataLake Gen2, and Unity Catalog.

Environment: Python Flasks, HTML, CSS, JavaScript, java, AWS. LLM, GEN_AI, **Langchain**, ollama, Tensorflow, PyTorch, Keras, Scikit-Learn. [RAG / AGENT Chatbot](#).

Karma Lab & Plausibility solutions.(Oct-2022 to May-2023) web & AI/MLOps with Product Development work.

- ★ Developed entire frontend and backend modules using Python on Flasks Web Framework. | Skilled in using collections in Python For manipulating and looping through different user defined objects. | Responsible for debugging and troubleshooting the web application. | implementing functions, packages, views and tables. |
- ★ Handling the day to day issues and fine tuning the applications for enhanced performance. Creating unit test regression test framework for working/new code.
- ★ Requirement gathering from the Business Operation Team... | Increased training data using the Image augmentation technique.
- ★ Used Transfer learning concept to achieve reasonable accuracy. | Implemented Deep learning image classification model.
- ★ Hearing Aid Product Development uses C/C++ and Python Use. | Product call log with voice audiometry testing by on fonix machine.
- ★ Resume parser with data extract online. LLM hugging face uses blip image to text create image chat with deploy AWS ec2, sagemaker..Ability to understand tools used by data scientists.
- ★ Experience with software development and test automation.
- ★ Mentioned of CV small details, suggesting expertise or experience in computer vision tasks

Environment: Python Flasks, HTML, XHTML, CSS, JavaScript, java, AWS, LLM, GENAI.

Researcher .(Feb-2020 to Oct-2022) web & AI/ML with Product Development work.

- ★ Handling the day to day issues and fine tuning the applications for enhanced performance. Creating unit test regression test framework for working/new code.
- ★ Requirement gathering from the Business Operation Team... | Increased training data using the Image augmentation technique.
- ★ Used Transfer learning concept to achieve reasonable accuracy. | Implemented Deep learning image classification model.
- ★ Hearing Aid Product Development uses C/C++ and Python Use. | Product call log with voice audiometry testing on Dicom machine.
- ★ Data parser with data extract online. LLM hugging face uses blip image to text create image chat with deploy AWS ec2, sagemaker..Ability to understand tools used by data scientists.
- ★ Experience with software development and test automation.
- ★ Mentioned of CV small details, suggesting expertise or experience in computer vision tasks

Environment: Python Flasks, HTML, XHTML, CSS, JavaScript, java, AWS, LLM, GENAI.

SSM Infotech Solution Pvt. Ltd Surat (OCT-18, Jan-2020) As a System Common Support, Sr.system engineer Company Name: Vedanta (Goa), Gail (Waghodia, Hazira/MP/UP) , Rallis(Ankleshwar) BARC Mumbai, X- Force, E-logbook has been developed for monitoring the data logging activity. The main purpose of this system is to provide customized solutions for the traceability of each instrument and logged data. It is a digitized version of the plant's physical data logbook...

. **Company support in India's** Gail | NTPC | Reliance | Essar | Grasim | Shell | IOCL | ONGC | ADANI | L&T | GIPCL Etc.

IL&FS Education and Technology Service Surat, (Sep-2017, Aug-18) (Govt.of Gujarat Act) As a Project Manager cum Technical Support. (Gyankunj -Primary School Education Project)

- Smart class project Handle, Software Upgrade,Rca. Software Query/Error App Solution , Hyper-V,Worked on SQL Queries, Views, Stored Procedure. /UDF and validations. /Worked on SALES and PURCHASE Transaction Software Installation of Ssm B1 and SQL Server. / Worked on Query report and Crystal Report for different Layouts. E Business One / Managed Clients calls for critical issues./Resolved problems, improved operations and provided exceptional client support. / Administrator work.

PMKVY (Govt Of Gujarat Act) (July-2012, Aug-2017) As Guest Faculty (EMpower & KVK) with the Education Council.

- Writing SQL Queries, View, Cursor, Stored Procedure, triggers and Function. Reporting tools like SSRS, Crystal Reports, Foxpro and MS Excel. | Managing Admission calls for critical issues. Support on Client Side after Go Live Project. Query Optimization, Debugging, Database, Normalization, Worked on Foxpro Microsoft Access database, Server-Side project support, Experience in deploying and implementing projects at client side. | New Admission Schedule Created, Management with Administrator Process Work. Monthly and Yearly Report Creation. | In-House system and portal to main Office data and employee data like, Time sheet, Leaves, Salary, Project etc. Work to make and maintain a portal. Generate report.

PROJECT

Analyze Github Code | [Github](#)

August 2023

- Developed a Chrome extension to get a detailed summary of a Github Repository using **LLM**.
- It uses Langchain to interact with **gpt-3.5-turbo** from **OpenAI**. **Flask** is used as a backend server to handle the requests.
- It traverses through each code file in the repository and stores the summary of it. At the end, the model summarizes all the stored summaries into one final response.

YouTube Video Explainer | [Github](#)

September 2023

- For a youtube video it provides an **understanding of video's** content through **audio transcription** and image captioning.
- Used Huggingface for **OpenAI Whisper model** for **audio transcription** and **swift former-xs** to get image embeddings, Google Lens API through **SerpAPI** for searching about image frames and **Chromeadb** as vector database.
- UI is built using **Streamlit**. Video and Audio are processed **parallelly**.

PERSONAL:

Citizenship: Indian .

Natural Languages: English, Hindi, Gujarati

Interests: traveling, Learning, choir, Journey in Environment. Youtuber, AI base product testing and research development.