Jatinkumar Parmar

Data Scientist & AI/Mlops
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ABOUT ME/SUMMARY

I'm a Software Engineer,Data scientist/Mlops and researcher/Tech Eathosiom with 4+ years of experience and Total 13+ 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.

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%
Veer Narmad South Gujarat University Surat, BA In Economics, April 2023,55.00%
Skill & Abilities. : C/C++, Foxpro, Data Analyst,Python,R, HTML/CSS, JAVA,**Data Science, Machine learning, Artificial Intelligent,Deep learning,AWS,MLOPS,Dataops,**RPA, **AI Chat BO**T,Microsoft Office.
Frameworks. : Flasks, Fast api.
Developer Tools. : Git/Github, Version control,Pycharm, VSC, Jupyter Notebook,Google Colab.
Libraries. : Numpy, Pandas, Scipy,Scikit Learn, Matplotlib, Gan,Seaborn, Opencv, Cnn,Matlab, NLP
Operating System.: Windows, Linux,
Deployment.:AWS, Azure,GCP, HEROKU, VERXEL,Specify,Firebase.

PROJECT:.

● **Road Sign Detection & Recognition in real time.|● Automatic Road Side Number Plate Detector in real time.**
● **Medically Use Human Body Diabetes detection using ai.| ● Human body Speech & Emotion Recognition using NLP**
● **Human Body Hand Gesture Recognition |● Open cv/cascade use face recognition |● Turtles use the new year's celebration. |● Vehicle Detection Model, detected by vehicle for live stream vehicle_ detection. More.**

ONLINE COURSE CERTIFICATES:.

- Road Sign Detection & Recognition in real time. |Diploma in DevOps Engineering - kubernetes, Docker and Google Cloud./Data Analytics with Python. : Google Baseline-AI, ML ,IOT
- EV Design Master class. :Office 365 SharePoint for End Users: Diploma in Project Manager.
- Robotic Process Automation (RPA) :BOT Developer :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.
- Transformation and Image Enhancement.

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.

INTERNSHIPS

- 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 PASA

AWARDS:.

GSRTC SURAT CNG Duplicate Ove Writing Bill Entry Fraud Detection Solve Award. With save money Rs.2.15,14220 /-
(Years 2009-2010) (SUSHMABEN MUNIM/JATIN PARMAR REPORT SHARE GSRTC MANAGING DIRECTOR)

Experience:.

Karma Lab & Plausibility solutions.(Oct-2022 to Present) web & AI/MLops based software solutions 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 use C/C++ and Python Use.*
- *Product call log with voice audiometry testing in fonix machine.*
- *Resume parser with data extract online…Nlp Technic..*

Self Startup Madhuram Techops. (Feb-2021 to Oct-2022) web & ML based software solutions with google cloud platform customize Documentation and administrator 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./Wrote python scripts to parse XML documents and load the data in the database./Designed and developed the UI of the website using HTML, CSS and JavaScript./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 Team./Increased training data using the Image augmentation technique./Used Transfer learning concept to achieve reasonable accuracy.*
- *Implemented Deep learning image classification model./Validated Model on thousands of images.*
- *SCM and Version Control System (VCN) :using Gitlab/GitHub and Git.:/Docker and Kubernetes setup, configuration of whole k8s environment and maintaining a docker environment using k8s cluster. Troubleshooting, recognizing and resolving / pod-level/cluster-level issues.:DevOps Automation using Jenkins CI/CD and optimizing the Jenkinsfile/pipeline code :(Groovy Script). :Docker registry (Harbor UI) filtering using*
- *Linux environment on the basis of latest : docker images, timestamp, size, etc.*
- *EFK Stack setup, configuration and : maintaining the fluentd pods running on Kubernetes cluster and proper yaml*
- *configurations for the whole EFK setup. : Creation of custom dashboards and*
- *visualizations in Kibana for UI apps and : APIs in order to display logs with necessary filters.*
- *Creating proper setup and configuration for : elastalerts (alerts) on MS Teams for errors and other suspicious log contents./ AWS Cloud Services: EC2,ECS, S3, VPC,IAM, Auto Scaling Groups (ASGs)Sagemakers.*
- *Azure load balancing Solutions, included Layer 7 application gateway and layer 4 load balancer.*
- *Managing Virtual Networks and subnets. /Creating and managing Network security Groups for Virtual machines and Virtual Networks for security purposes /Configuration and troubleshooting of VPN connections such as Site to site, Point to Site (Included point to site connections using ADD authentication), Vnet-to-Vnet and Vnet Peering. /Creation and administration of Route tables to manage traffic within Azure environments.*
- *Integration of Web applications with Virtual networks to ensure communication with Vnets and On-Premise side.*
- *Mentor for new colleagues to ensure quality delivery and case handling..*
  - ***Environment:*** *Python Flasks, Linux, HTML, XHTML, CSS, JavaScript, java, Heroku.vercel.*

Freelance Consultant.(Madhuram Automobiles) Surat, Business Algorithm/Software developer (Feb-2012, Aug 2022) Python, Data Science, Kuber Account software query solution with Business Management,Devops, Documentation and administrator work.(parttime)

- *Hands-on experience in selecting features, building, and optimizing classifiers using machine learning techniques.*
  - *Enhancing data collection procedures to include information that is relevant for building analytic systems*
  - *Processing, cleansing, and verifying the integrity of data used for analysis. /Doing ad-hoc analysis and presenting results in a clear manner. /Creating anomaly detection systems and constant tracking of its performance.*
  - *Having strong knowledge in Statistics, Feature Engineering, Model Selection, Model/Evaluation, and Feature Scaling to build accurate machine learning./Experience in tuning and optimizing ML/DL models for performance improvement./Hands-on experience working with live   projects on different machine learning techniques.*

- *Having strong problem-solving capabilities./Working with most demand industrial technology Framework like pandas, NumPy, matplotlib nltk(NLP), keras (Deep Learning, tensor flow scikit learn(Machine learning), open cv etc./Increased training data using the Image augmentation technique./Used Transfer learning concept to achieve reasonable accuracy./Implemented Deep learning image classification model. Validated Model on thousands of images.*

SSM Infotech Solution Pvt. Ltd Surat (OCT-18, Feb-21) As a System Common Support/Hardware Engineer, Domain/modem testing PC configure Engineer, Basic Software support work, Python and Logistic Management, Another Site Support in national/International Administrator work.

- *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.*
- *X-Force Checkweigher: Company Name: ITC Noodle Plant (Malur,Kapurthala,Pune,Haridwar,Trichy, Punchla) Project is to deliver X-Force System to ITC which will be a collection of a windows based desktop application and web application. Here a windows-based application will capture data of check weigher from FTP and MySQL database. After processing that date web-based application will show the live value of the check weigher on the dashboard. The dashboard application will also send mail of report and SMS of critical parameters of checkweigher. critical parameter of check weigher.*

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

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) Teaching with Education Council, Design and create Database structure and Table

- *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.*

PERSONAL

Citizenship: *Indian .*

Natural Languages: *English, Hindi, Gujarati*

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