

## SUMMARY

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Experienced Software Developer with a strong background in Cloud Computing, Data Engineering, and Computer Vision. Passionate about emerging technologies and their real-world applications, particularly interested in AI-driven innovation. Seeking a challenging role as Computer Vision Engineer/Developer, Data Engineer, and Data Scientist/Machine Learning to contribute to innovative product development projects.

## SKILLS

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**Programming:** Python, TensorFlow, Scikit-Learn, Numpy, Pandas, Matplotlib

**Cloud Services:** AWS, Terraform

**Cloud Analytics:** Kinesis Stream, Analytics, EMR, Glue, Athena, Quick Sight, IOT analytics, RedShift, Hadoop Fundamentals, Serverless Analytics

**Containers:** Docker

**Machine Learning:** Regression, Classification, Clustering, Dimensionality Reduction, MLFlow

**Computer Vision:** Object Detection, Image Classification, Image Segmentation, Image Pre-Processing.

**Certifications & Training:** Machine Learning Operation (MLOPS) Challenge – Microsoft,

Machine Learning Challenge – Microsoft,

ChatGPT Prompt Engineering – DeepLearning.AI,

Training – AWS Cloud Practitioner

## WORK EXPERIENCE

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### Raj Vijtech Pvt Ltd

Surat, GJ

Data Analytics Project Intern

Jan 2022 – March 2022

- Collaborated with the business development team to support Marketing analysis through data analysis.
- Conducted Exploratory Data analysis and employed visualization techniques to uncover correlations.
- Developed a Recency, Frequency, and Monetary (RFM) analysis model in Python to analyse churn rate, customer lifetime value, and Customer Segmentation.

### Triveni Global Software Services LLP

Surat, GJ

Associate Software Developer

March 2022 – July 2023

#### • Factory Big Data:

- Created AWS/Azure Infrastructure using Terraform.
- Actively contributed to MLOps to align expertise with business KPIs/goals.
- Designed Data Streaming Pipelines on Databricks using PySpark.
- Ensured data quality and delivery.
- Developed and deployed a layer-4 Load Balancer (TCP) RKE2 Cluster in Kubernetes using Terraform.
- Utilized MLFlow for Experiment Tracking and Model Registry, along with BentoML.

#### • HRIS Bot:

- Hands-on improving NLP skills and learning new NLP concepts concurrently.
- Demonstrated Fine-tuning Albert QA on custom dataset.
- Implemented Rasa-Framework for handling pre-defined actions and unmatched inputs.
- Inference the Chatbot by creating a Web Application in Flask.

***Note:** During my period of unemployment which I left due to personal reasons from July to October 2023, I dedicated my time to skill enhancement and actively pursued new job opportunities, showcasing resilience, adaptability, and a commitment to professional growth.*

## EDUCATION

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UKA TARSADIA UNIVERSITY  
B. Tech Mechanical Engineering

Bardoli, Gujarat  
2016-2020

## PROJECTS

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**CosmoVision (Under Development)**  
Project

Surat, GJ  
October 2023 – Present

- CosmoVision is a comprehensive SaaS AI application to address a spectrum of Computer Vision challenges.
- Introduced the Copilot feature, leveraging Blog posts and document pages for intelligent responses to Computer Vision queries.
- Currently engaged in strategic R&D to select the optimal Language Model (LLM) for enhanced capabilities, emphasizing a commitment to staying at the forefront of technological advancements.
- In the development pipeline, a Semi-automated Data Annotation tool is underway, with a focus on bridging the gap between Human-Machine Intelligence, showcasing a dedication to innovation in the field of computer vision.

### Makerspace

Blog

Surat, GJ  
October 2023 – Present

- Developed and managed Makerspace, a dynamic platform offering insightful content on startups, fundraising, and venture capital.
- Established Makerspace as a hub beyond traditional blogging, providing in-depth articles on startup dynamics and fostering entrepreneurial success through exclusive features like tailored CX strategies and 1:1 mentorship.
- Published engaging articles on startup dynamics, fundraising strategies, and the evolving venture capital landscape.
- Positioned Makerspace as a go-to resource for entrepreneurial success, fostering a vibrant community of innovation.

### Automated Data Pipelines Using Terraform

- The process involved three steps, controlled by a local Airflow instance. These steps included downloading and uploading the PDF file to S3 storage, extracting texts from the PDFs using a Lambda function, and segmenting the extracted text into questions using a Glue Job.

### CI/CD Pipeline In AWS:

- This Project Aims to create a CI/CD Pipeline in AWS For ECS cluster using the following services: - AWS CodeCommit - AWS CodeBuild - AWS CodeDeploy - AWS CodePipeline