

EMPLOYMENT

Technical Team Head	Trio Teachers	Jan'2021 – Present
<ul style="list-style-type: none">As Head of Technical Department of An Ed-Tech Startup, leading the Technology and Engineering Department to Enhance Products and Services that focus on Students and Teachers.Working with Technical Team to develop their Website using Django as Backend technology, PostgreSQL as Database and hosted it on DigitalOcean Platform. (https://www.trioteachers.in)Improved the response time of website by 600 milliseconds, using advanced data structures and optimized code in order to reduce the number of queries. By taking advantage of caching and session storage we reduced request-response time.Responsible for the job growth and career development of staff members by providing training plans, guidance.Recommends new technology, policies or processes to benefit the organization and improve deficiencies.		
Python Developer, Intern	GFutureTech Pvt. Ltd.	July'2020 – Nov'2020
<ul style="list-style-type: none">Revamped Competitor Analysis System that generates detailed visual and quantitative analysis of higher than 100 Play Store Apps at any given date.Scrapped higher than 7 E-Commerce Websites and Built Database of more than 6 Lacs Online Stores for lead generation.Designed Bots that automates tasks of Social Media Sites like LinkedIn, Facebook to reduce work load on co-workers.Developed robust testing system to check the quality of a US based Auction Website.		

LANGUAGES AND TECHNOLOGIES

- Programming Languages** – Python (Proficient), C++ (Proficient), JavaScript (Intermediate), R (Intermediate)
- Databases** – MySQL, PostgreSQL, MongoDB, phpMyAdmin
- Web Frameworks** – Django, Flask, ReactJS
- Machine Learning Frameworks** – Tensorflow, Keras, Scikit-Learn
- Data Scraping and Web Automation Frameworks** – BeautifulSoup, Scrapy, Selenium
- Data Analysis and Visualization** – Pandas, Numpy, Matplotlib, Seaborn
- Cloud Technology** – Google Cloud Platform

TECHNICAL EXPERIENCE

- Fake News Detection using Machine Learning** – Developed a Machine Learning Model to detect rumors from social media using NLP techniques, TF-IDF Vectorizer with Passive Aggressive algorithm. By changing regularization parameter to 0.6, we ended up obtaining an accuracy of 93.90%.
- Helmet Detection using YOLO Algorithm** – Developed a Machine Learning Model with 92% accuracy that detects whether A biker is wearing a helmet or not through Live Camera with the help of YOLO algorithm. Planning to Integrate Vehicle Number plate recognition system with this model to make it more efficient.
- Ecommerce Website** – Developed an Ecommerce Website using Django. For better and fast performance of Website I used Celery and Redis for performing heavy tasks asynchronously. Integrated Third Party APIs for various tasks.

EDUCATION

BE, Electronics and Communication Engineering Current CPI – 8.52	Vishwakarma Government Engineering College, Ahmedabad Expected Graduation by June'2022
STD. XII – School Of Science, Rajkot	June'2016 to May'2018
STD. X – Mahatma Gandhi Educational School	June'2015 to May'2016

ACHIEVEMENTS

- 3* at Codechef (highest rating – 1636) ([Codechef Profile](#))
- 5* in Python Programming at Hackerrank ([Hackerrank Profile](#))
- Received grant of 50K Rupees for 2 projects under SSIP (Student Startup and Innovation Policy) by Gujarat Govt.