# Tirth Patel

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## EXPERIENCE

**Co-Founder (Start-Up)**                                                          **Feb. 2021 – Dec. 2021**

SSV Infotech (ssvinfotech.in) | Surat, India

- Developed and implemented a business plan and strategy for the company
- Contribution to the website and mobile application prototyping
- Building strategic marketing and business development plans

**Data Analyst Intern | ML Data Engineer Intern**                                  **Feb. 2020 - Aug. 2020**

Narola Infotech Solutions LLP | Surat, India

- Perform market analysis to efficiently achieve objectives, increasing sales by 37% in 5 consecutive quarters
- Optimized data collection procedures and generated reports on a weekly, monthly, and quarterly basis using Tableau
- Managed a process re-engineering project to improve and consolidate end-to-end service processes; restructured communication flow among 10 departments and cut down paperwork by 75%.
- Designed the data (CI/CD/ETL) pipeline architecture for a new product that quickly scaled from 0 to 10,000 daily active users
- Identified control expenses by conducting cost, schedule, and contract performance analysis, and improving resource allocation by 15%
- Ingested data from data sources using a combination of SQL, Google Analytics API, and Salesforce API using Python to create data views to be used BI tools

## EDUCATION

**Fairleigh Dickinson University** | Master of Science in Computer Science                **May 2023**
- Related Coursework: Big Data, Computer Architecture, Management Information System

**Gujarat Technological University** | Bachelor of Engineering in Computer Engineering      **May 2021**
- GPA: 3.7/4.0
- Related coursework: Data Structures, Database Management Systems, Computer Networks, Software Engineering, Object-Oriented Programming, Artificial Intelligence, Web Technologies, Data Mining & Business Intelligence

## SKILLS

**Programming Languages:** Python, C++, ASP.NET, C, Java, R

**Web Technologies:** HTML5, CSS, JavaScript, JSP, Node.js

**Databases:** MySQL Workbench, Oracle, SQL, GIS SQL, Data Modeling, ETL processes, PostgreSQL

**Tools/Frameworks:** Django, Android Studio, Visual Studio, Hadoop, MongoDB, Docker, Git, AWS, Tableau, PowerBI, JIRA

**Operating Systems:** Windows, Linux

## PROJECTS (GitHub_3112)

**Data Cleaning and Profiling on 311 Service Requests data (NYC OpenData)**      **Oct. 2021 - Dec2021**
- Python Pandas, PySpark and OpenClean libraries were used to perform cleaning operations on the large-scale dataset consisting of 27 million rows

**Research Member at CKPCET (GTU)**                                                **Sept. 2020 - May 2021**
- Designed a system that can measure profit/loss in IT sector due to the pandemic. Developed 4 machine learning algorithms into helps classifying data of performance, managerial responsiveness and loss or profit compared to previous year(using SQL + PowerBI). The web portal was created using PowerBI for non-technical user

**E- commerce store (Python, Django, JavaScript, jQuery, SQLite)**                  **Sept. 2020**
- Developed project to Recommend previously purchased product you buy previously (using REST APIs) and also to give flexibility to the customer to check out products. Payment integration (using Stripe) and Available guest check-out

## CERTIFICATION

- Tableau for Data Scientist, LinkedIn                                              **Feb. 2022**
- Python For Data Science, Udemy                                                     **Sept. 2022**