

# Tirth Chirayu Shah

(979) 635-2045 | [tirth.shah@tamu.edu](mailto:tirth.shah@tamu.edu) | <https://www.linkedin.com/in/tirth-chirayu-shah/> | [tirthcshah.info](mailto:tirthcshah.info)

## EDUCATION

**Texas A&M University, College Station, Texas, USA**

Aug 2024

*Master of Science in Management Information Systems*

**Sardar Vallabhbhai Patel Institute of Technology, GTU, India**

Aug 2017 – Jul 2021

*Bachelor of Engineering (BE) in Computer Engineering*

(WES Certified) GPA: 3.95/4.0

## WORK EXPERIENCE

**Tata Consultancy Services Limited**

**Gujarat, India**

Python Developer

Jan 2024 – Aug 2024

- Converted SaS Code operated by legacy server-based architecture to transformative Python Code used by the migrated cloud platform, decreasing processing time by **80%** & cost by **50%**.
- Maintained and updated existing data pipelines to ensure data integrity & authenticity by deploying them on Jenkins & GitHub.
- Executed data cleaning and preprocessing from raw Excel data to transfer into data frames for further analyses.
- Implemented edge cases and programmed automation scripts and tools to cut down manual checks by **90%**.

**Tata Consultancy Services Limited**

**Gujarat, India**

Migration Analyst

Aug 2021 – Jan 2023

- Migrated Server-based legacy algorithms to cloud-based architecture (Google Cloud Platform) and tested those on the Data Fabric.
- Performed redesigns and constructed automation jobs that simplified manual configuration by **30%**.
- Communicated and engaged with various Tier-1 customers to gather and deliver requirements on time.
- Conducted an efficiency analysis of pre-trained machine learning models for credit score generation and statistically compared results generated by server-based systems with those of cloud-migrated systems.

**Paul Mason Consulting Limited**

**Gujarat, India**

Business Analyst Intern

Sept 2020 – Apr 2021

- Guided the Scrum Call and created tasks over Jira for technical team to adhere to sprint plans as per agile methodology.
- Resolved and organized project backlogs for future sprints & managed sprint retrospectives.
- Produced and revamped existing documentation for better management and efficacy.

## PROJECTS

- **Market Basket Analysis** – leveraged machine learning models to understand customer expenditure traits & patterns ([Article](#)).
- **Data Visualization with Excel** – Increased sales for a local shop by 20% by analyzing previous year's sales data ([Video](#)).
- **Exploratory Data Analysis with Python** – analyzed different datasets (Play Store Downloads | Pokemon | FiFa) to find various trends.
- **Bundle of Python Projects** – solved real-life manual workflows to automation scripts.
- **Portfolio Building** – coded a web portfolio with help of HTML, CSS, JavaScript & different APIs ([Article](#)).

## LEADERSHIP & INVOLVEMENT

**Tata Consultancy Services Limited**

**Gandhinagar, Gujarat**

- **Python Skill Up Day (TCS)** – Hosted a learning event to teach 200+ students about Python language.
- **Community Services (70+ Hrs.)** – Volunteered in drives about Traffic Safety | Fitness | Donation | Saving Electricity | Education.

**Sardar Vallabhbhai Patel Institute of Technology (GTU)**

**Vasad, Gujarat**

- **Training & Placement Officer** – Trained more than 500 students in respective fields of academic interest.
- **Discipline Secretary** (Student Central Committee) – arranged anti-drug drives, blood donation camps, and plantation drives.
- **Chief Coordinator @VISION'19|18** – Organized an interdepartmental fest having a footfall of **2000+** participants. Managed a team of more than **100** students. Donated **90%** of profit to nearby local schools and provided students with bags, notebooks, and stationery.

## SKILLS, CERTIFICATES & AWARDS

**Technical:** Agile, Scrum, SDLC, Big Data, Data Structures and Algorithms, Data Analytics & Visualization, ETL, Machine Learning, NLP.

**Tools:** GCP Console, GitHub, Atlassian JIRA & Confluence, MS Office Suite, PyCharm, Jupyter, R Studio, VS Code, Tableau, PowerBI.

**Frameworks:** Pandas, NumPy, Matplotlib, NLTK, TensorFlow, Keras, PyTorch, Scikit-learn, Seaborn, PySpark, Computer Vision

**Programming Languages:** Python, Java, C++, C, JavaScript, HTML, CSS.

**Databases:** Google Cloud SQL, MySQL, PLSQL, PostgreSQL, SQL.

**Certifications:** Microsoft Azure [DP203](#) | [AZ104](#) | [DP900](#) | [AI900](#) | [AZ900](#), IBM Data Science, Citizen Data Scientist([@alphaa](#)).

**Awards:** Awarded with TCS Special Initiative Award (x3) for exceptional performance, dedication, and initiatives.