

Meet Patel

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Education

San Jose State University

Aug 2024 - May 2026

Master of Science in Data Science

Coursework: Data Visualization, Data Warehouse, Mathematics for Data Analytics, Distributed Systems, Machine Learning, Big Data Technologies, Deep Learning, Generative Model Applications

Gujarat Technological University, Gujarat, India

Aug 2019 - May 2023

Bachelor of Engineering in Information Technology

Participant in Smart India Hackathon, Contributor to Open Source Projects

Coursework: Web Development, Cyber Security, Computer Network, Artificial Intelligence, Software Engineering, Blockchain

Technical Skills

Languages: Python, SQL, NoSQL, C/C++, Dart, JavaScript, TypeScript, Scala

Databases: MySQL, MongoDB, Redshift, Apache Airflow, Eventsim

Cloud Technologies: AWS, Google Cloud, Snowflake (Data Warehouse), Redshift, DynamoDB, bigQuery

Framework & Tools: PySpark, Tableau, Power BI, Hadoop, Hive, Kafka, Docker, GitHub, Terraform, Data Studio, dbt

AI/ML Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib, OpenCV, Statistics

Soft Skills: Communication, Problem-solving, Teamwork, Time management, Critical thinking, Leadership

Work Experience

Infolabz

Jan 2024 - July 2024

Data Science Intern

Gujarat, India

- Conducted **data cleaning, preprocessing**, and storage, ensuring 95% high-quality datasets by handling over 10,000 missing values, **normalizing 50+** features, removing **outliers**, and revising data consistency for **optimal model**
- Developed ML models for fracture detection and fruit condition assessment on **10K+** samples with 90% accuracy
- Designed advanced models using **RNNs, CNNs, NLP, Clustering, and Regression**, analyzing **50K+** records to deliver **actionable insights**, revamp workflows, improve efficiency, and drive innovation

Simform Solutions

Feb 2023 - July 2023

Software Engineer Intern

Gujarat, India

- Architected a dynamic **React Native** app with **Redux Saga** for honed state management and seamless navigation, integrating **data science** models to analyze **100K+** user **interactions**
- Created a custom video player using **React Native hooks** to perform immersive multimedia experiences, **modifying performance** for **500K+** users, resulting in a 30% improvement in user interaction and control
- Enhanced performance using **Custom Hooks**, reducing re-renders by 85% and implementing the **BackHandler API** to prevent accidental closures. Integrated **Google Maps** and push notifications, resulting in a 40% increase in **UX**

Projects

DeepDiag: AI for Medical Image Analysis | *TensorFlow, Keras, NumPy, Pandas, OpenCV*

[GitHub](#)

- Built a **deep learning** model to detect and **classify diseases** from X-rays and CT scans, attaining 85% accuracy
- Engineered an **ML Model** for real-time diagnostics and model deployment, processing **100K+** data points, utilizing **transfer learning, data augmentation**, and **explainable AI** to promote model performance by 20%

Netflix Insight: Movies vs TV shows Dashboard | *Power BI, DAX, Geospatial Mapping*

[GitHub](#)

- Constructed an **interactive** Netflix Python (**Matplotlib, Plotly**) and **Mapbox** dashboard, visualizing 5+ key attributes such as genre popularity, release year trends, and ratings distribution across **190+** countries

StreamFosion: Real-Time Data Pipeline for Music Analytics | *Terraform, Docker, Google Data Studio*

[GitHub](#)

- This project processes 500k+ events/h with 90% accuracy, leveraging tools like **Kafka, dbt**, and **Airflow** to visualize metrics like popular songs and with 30-second **real-time updates** and hourly batch insights for 1 TB of data.

Movie Recommendations Using OpenAI's Embeddings | *Python, CNN*

[GitHub](#)

- Formulated a personalized movie recommendation system using **OpenAI embeddings**, leveraging **NLP** to review semantic similarity and achieve 95% accuracy in **tailored recommendations** across a dataset of **10k+** movies
- Optimized data preprocessing**, and similarity scoring using **OpenAI APIs**, reducing processing time by 30% and boosting recommendation accuracy by 20%, increasing user satisfaction across a dataset

Certifications

- Accomplished **AWS Certified Cloud Practitioner**, demonstrating proficiency in cloud computing
- Received **Crash course on Python**, gaining knowledge from basic to advanced concepts
- Earned certification in **Manipulating Data with SQL**, mastering advanced data querying techniques