Meet Patel

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Education

San Jose State University **Aug 2024 - May 2026**

Master of Science, Data Science

Course work: 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**

Bachelors of Engineering, Information Technology

Participant in Smart India Hackathon, Contributor to Open Source Projects

Course work: 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
Cloud Technologies: AWS, Google Cloud, Snowflake (Data Warehouse), Redshift, DynamoDB
Framework & Tools: PySpark, Tableau, Power BI, Hadoop, Hive, Kafka, Docker, GitHub, Microsoft Dynamics 365
AI/ML Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib, OpenCV
Soft Skills: Communication, Problem-solving, Teamwork, Adaptability, 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 improving 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**, optimize workflows, improve efficiency, **drive innovation**, and enhance **decision-making**
- Crafted a **comprehensive** dashboard using **Power BI** to analyze company growth by combining multiple factors, delivering actionable insights with 95% accuracy to boost **data-driven** decision-making and strategic planning processes

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** and improve engagement by 25%
- Created a custom video player using **React Native hooks** to deliver immersive multimedia experiences, **optimizing 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 boost model performance by 20%

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

- Constructed an **interactive** Netflix dashboard using Python **(Matplotlib, Plotly)** and **Mapbox**, visualizing 5+ key attributes such as genre popularity, release year trends, and ratings distribution across **190+** countries
- Analyzed Netflix's content distribution and growth from 2008 to 2020, providing insights into **1000+** titles with **real-time filtering** by genre, rating, release year, duration, and country to aid content curation and strategic planning

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

- Formulated a personalized movie recommendation system using **OpenAI embeddings**, leveraging **NLP** to analyze semantic similarity and achieve 95% accuracy in **tailored recommendations** across a dataset of **10,000+** movies
- **Optimized data preprocessing**, and similarity scoring using **OpenAI APIs**, reducing processing time by 30% and boosting recommendation accuracy by 20%, enhancing user satisfaction across a dataset of **10,000+** movie entries

Certifications

- Achieved **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