

Meetkumar Patel

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Summary

Experienced in developing machine learning models and advanced data science techniques, including RNNs, CNNs, and NLP. Proficient in data analysis, from cleaning and preprocessing to storage, ensuring high-quality datasets for robust model training. Adept at applying complex algorithms to extract actionable insights from data sets, driving impactful results.

Education

San Jose State University, California

Aug 2024 – May 2026

Master of Science in Data Analytics

Member of GDSC, GDG, IEEE

Course work: Big Data Technologies, Machine Learning, Deep Learning, Data Mining, Distributed Systems, Generative Model

Gujarat Technological University, Gujarat, India

Aug 2019 – May 2023

Bachelors of Engineering in Information Technology

GPA: 3.44/4.00

Participant of Smart India Hackathon

Courses: Web Development, Cyber Security, Cryptography and Network security, AI, Applied Machine Learning, Blockchain

Technical Skills

Languages: JavaScript, Python, Java, C/C++, Dart, TypeScript, SQL, NoSQL, HTML5, CSS3, Bootstrap

Tools & Tech: REST APIs, Git, Unix/Linux, Material UI, Power BI, Tableau, Django, Kafka, React Native, Flutter

Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib, Plotly, Seaborn, Dask, OpenCV, Redux

Cloud Technologies: AWS, GCP, Snowflake, Redshift, DynamoDB

Databases: MySQL, MongoDB, Apache Airflow

Experience

Infolabz

Jan 2024 – Jul 2024

Data Scientist Intern

Gujarat, India

- Conducted data cleaning, preprocessing, and storage for high-quality datasets in model training
- Developed ML models for bone fracture detection and fruit/vegetable condition assessment, succeeding 90% accuracy
- Applied RNNs, CNNs, and NLP to build advanced models and extract insights from complex datasets
- Designed a comprehensive dashboard 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 (CMMI Level 3)

Feb 2023 – Jul 2023

Software Engineer Intern

Gujarat, India

- Architected dynamic React Native app with Redux Saga for honed state management with seamless navigation
- Created a custom video player to deliver enriched and immersive multimedia experiences, focusing on modifying performance and functionality and utilizing react-native-permissions library to improve user interaction and control
- Revamped performance through Custom Hooks, useCallback, and useMemo to avoid re-renders, and leveraged backHandler API to prevent accidental closures, accomplishing 85% accuracy in performance improvements
- Consolidated Google Maps for interactive map views, enhancing UX, Added push notifications, increasing user engagement

CreArt Solutions

Jun 2022 – Jul 2022

Software Engineer Intern

Gujarat, India

- Engineered innovative APIs using Django framework and web front end with React, for 500+ employees, enabling real-time bidding, multi-sport support, and comprehensive admin management by agile methodology

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.
- Crafted a user-friendly web interface for real-time diagnostics and seamless model deployment.
- Implemented advanced techniques, including transfer learning, data augmentation, and explainable AI methods, maximizing model performance by 20%.

RealEstate Insight: Interactive Property Price Dashboard | Power BI, DAX, Geospatial Mapping

[Github](#)

- Attained an interactive dashboard for real estate price analysis, synthesizing diverse data sources for real-time insights and trends. Leveraged advanced visualizations to facilitate quick, data-driven decisions.
- Reached 90% accuracy in price predictions through sophisticated data analysis and machine learning, reducing data processing time by 50% and operational efficiency.

Activities and Volunteering

- Awarded for **Completing 25 adventure camps** as a volunteer at Invincible NGO 2023
- Received a certificate for completing **Crash course on Python** program [Github](#) 2021
- Earned a **Manipulating Data with SQL** certificate [Github](#) 2020