

PRATHAM PATEL

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SUMMARY

Data Scientist with 2+ years of experience building production ML systems, NLP applications, and computer vision solutions. Skilled at translating business problems into deployed AI products that drive measurable efficiency gains for enterprise clients.

WORK EXPERIENCE

Data Scientist

Jul 2024 – Present

Bacancy Technology

Ahmedabad, Gujarat

- Built and deployed AI meeting assistant that reduced post-meeting documentation time by 3+ hours weekly, using AssemblyAI for transcription and GPT-4 for intelligent summarization and action item extraction.
- Co-developed enterprise no-code ML platform with cross-functional team of 10-15 engineers; owned time series forecasting module that automated 7+ manual preprocessing steps, reducing model development time by 80%.
- Implemented MLOps infrastructure including model versioning, automated testing, and CI/CD pipelines using Docker and Kubernetes, achieving 99.9% platform uptime for enterprise clients across IT services and manufacturing sectors.

Data Science Intern

Jan 2024 – Jun 2024

Bacancy Technology

Ahmedabad, Gujarat

- Developed YOLOv8-based computer vision system for manufacturing defect detection, achieving 70% accuracy and enabling automated quality control for production line inspection.
- Improved model robustness through systematic hyperparameter optimization, increasing detection reliability across varying lighting conditions and defect types.

PROJECTS

No-Code ML Platform | *PySpark, TensorFlow, Scikit-learn, Docker, K9S, Grafana*

Jun 2025 – Present

- Developed time series forecasting module for enterprise platform, automating data preprocessing, feature engineering, and model selection to reduce baseline development time by 80%.
- Deployed solution across Fortune 500 organizations, enabling non-technical users to build production-grade ML models without coding expertise.
- Implemented MLOps best practices including model versioning, automated testing, and CI/CD pipelines, ensuring 99.9% platform uptime.

SQL Agent | *LangChain, OpenAI API, PostgreSQL, Python*

Feb 2025 – Jun 2025

- Built natural language to SQL query generator achieving 75% accuracy on complex analytical queries, enabling marketing teams to self-serve custom reports without analyst dependency.
- Validated system on 100+ real business queries spanning aggregations, joins, and time-series analysis, reducing report turnaround from hours to minutes.

AI Meeting Analyzer | *Python, AssemblyAI API, OpenAI API, Selenium*

Oct 2024 – Feb 2025

- Engineered end-to-end meeting intelligence system achieving 80% accuracy in extracting key insights, decisions, and action items from audio recordings.
- Integrated with Google Calendar and Drive APIs to automate meeting scheduling and documentation workflows, saving 30+ minutes per meeting.

EDUCATION

Charotar University of Science and Technology

Bachelor of Technology in Computer Engineering

Anand, Gujarat

Dec 2020 – May 2024

TECHNICAL SKILLS

ML/Deep Learning: PyTorch, TensorFlow, Keras, Scikit-learn, XGBoost, Time Series Forecasting

NLP & LLMs: LangChain, OpenAI API, NLTK, SpaCy, Hugging Face Transformers, FAISS

Computer Vision: YOLOv8, OpenCV, Ultralytics

Data Engineering: PySpark, Pandas, NumPy, SQL, PostgreSQL, MongoDB

MLOps & Infrastructure: Docker, Kubernetes (K9S), Git, CI/CD, AWS, Grafana

Web Frameworks: FastAPI, Flask, Streamlit