

Kirtirajsinh Parmar

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PROFILE

Computer Science Engineering student with hands-on experience in **machine learning, data science, and data analytics**. Proficient in **Python, TensorFlow, PyTorch, Scikit-learn, SQL, and Power BI** for developing, analyzing, and deploying data-driven solutions. Skilled in **data preprocessing, feature engineering, statistical analysis, and model evaluation**. Passionate about leveraging AI and analytics to derive actionable business insights and improve decision-making.

SKILLS

Python | JavaScript | TypeScript | SQL | Tensorflow | PyTorch | Scikit-learn | OpenCV | NumPy | Pandas | Convolutional Neural Network (CNNs) | Natural Language Processing (NLP) | Model Evaluation | Data Preprocessing | Feature Engineering | Matplotlib | Seaborn | Power BI | DAX | React.js | Express.js | Node.js | Flask | Streamlit | Bootstrap | Tailwind CSS | PostgreSQL | MySQL | MongoDB | Quantitative Analysis | Team Leadership | Technical Communication | Collaboration | Project Coordination

EXPERIENCE / PROJECTS

Smart Resume Analyser, *Python, Flask, Scikit-learn, NLP* [↗](#) Jul 2025 – Aug 2025

- Implemented a resume-job description similarity system with **92%+ accuracy** using TF-IDF and cosine similarity.
- Extracted contact information (name, email, phone) with **98% precision** across **100+ resumes** in multiple formats.
- Processed **10+ resumes in <15 seconds**, improving shortlisting speed by **3X**.
- Reduced manual evaluation time by **70%** in HR workflow simulations.

Bank Loan Report-Power BI Dashboard, *Power BI, SQL, Power Query* [↗](#) Jun 2025 – Jul 2025

- Handled **38,000+ loan records** to analyze funding, repayments, and defaults.
- Designed **12+ visuals** with MTD/PMTD filters and KPIs (Avg. Interest Rate: **5.2%**, Avg. DTI: **28%**).
- Decreased reporting effort by **50%** using automated data refresh and optimized DAX queries.
- Identified repayment trends linked to a **15% projected risk reduction** in loan defaults.

HealWell-AI Powered Healthcare App, *TensorFlow, CNN, PostgreSQL* [↗](#) Dec 2024 – Feb 2025

- Trained CNN model on **10,000+ images**, achieving **95% classification accuracy** for skin disease detection.
- Integrated a **Gemini-based chatbot** supporting **Gujarati, Hindi, and English**, improving user interactions by **40%**.
- Reduced response latency by **60%** using optimized Flask-React data flow.
- Built a responsive interface validated on **50+ mobile devices**.

Bangalore Home Value Predictor, *Scikit-Learn, Python, Seaborn* [↗](#) Oct 2024 – Nov 2024

- Predicted Bangalore house prices with **87%+ R² accuracy** using Random Forest on **13,000+ property records**.
- Developed a **Flask web app** with real-time predictions and a responsive HTML/CSS interface.
- Engineered key features (BHK count, sqft normalization) to improve accuracy by **15%**.
- Delivered results within **2 seconds**, reducing manual estimation effort by **60%**.

EDUCATION

BE in Computer Science & Technology, Nov 2022 – Present | Ahmedabad, India

LJ Institute of Engineering and Technology

- 8.40/10 CGPA (Aggregate till semester V)

High School (XII Science - PCM), *The Aditya Birla Public School* Jun 2020 – May 2022 | Bharuch, India

- Academic Result : 87.4%
- Member of School Council - Head Boy(2021-22)

CERTIFICATES

- IBM Data Science - Specialization [↗](#)
- Google Data Analytics - Specialization [↗](#)
- Google Project Management [↗](#)
- Google AI Essentials [↗](#)

ACCOMPLISHMENTS

- Finalist, **Odoo National Hackathon** (Top 150 of 700 teams) – led team developing an AI-based automation system.
- HackerRank**: 5-Star in Python (Gold Badge) – completed 22% of available Python challenges.
- HackerRank**: 3-Star in Problem Solving (Bronze Badge).

LANGUAGES

English • Hindi • Gujarati