HIREN KANZARIYA

AI/ML Developer · Python · Machine Learning · Deep Learning

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SUMMARY

AI/ML developer skilled in Python, machine learning, deep learning and data analysis, with 1 year of React.js development and 1.3 years of teaching full-stack web development and AI/ML. Builds end-to-end ML applications, from data preprocessing and feature engineering to model evaluation, REST APIs and deployment. Combines practical project delivery with a strong ability to explain technical concepts clearly.

EDUCATION

Examination	Institute	University / Board	Year	CGPA / Percentage
M.Sc. IT	Shree Swami Vivekanand College	Saurashtra University	2025 – Present	
B.Sc. IT	Shree Swami Vivekanand College	Saurashtra University	2023 – 2025	8.25 CGPA

TOOLS & TECHNOLOGY

Languages: Python, SQL, JavaScript
Machine Learning: Scikit-learn, XGBoost, feature engineering, model evaluation, ML pipelines
Deep Learning: TensorFlow, Keras, ANN, CNN, RNN
Data Analysis: NumPy, Pandas, Matplotlib, Seaborn, EDA
Web & APIs: Node.js, Express.js, React.js, HTML, CSS, Bootstrap
Database: PostgreSQL
Tools: Git, GitHub, Postman, Jupyter, VS Code

WORK EXPERIENCE

Shakti Education Institute — Teacher & Software Developer **Jul 2025 – Present**

- Teach Python, machine learning, data analysis and the MERN stack, guiding students to build industry-ready projects.
- Mentor students through AI/ML and full-stack projects with one-to-one debugging, code reviews and deployment guidance.

Flipcode Solution Pvt. Ltd. — React JS Devloper **Nov 2024 — May 2025**

- Built responsive web and mobile applications using React.js and React Native.
- Developed key modules (Mala, Quote, Article) of the SMVS mobile app, working on UI implementation, state management and performance optimization.
- Contributed to a real estate web project focused on mobile responsiveness and cross-browser compatibility, collaborating through Git.

Perfecto Solution Pvt. Ltd. — React JS **July 2024 — Nov 2024**

- Built responsive, mobile-first web interfaces with HTML, CSS, Bootstrap, JavaScript, jQuery and React.js.
- Delivered multiple real-world projects using component-based architecture and DOM manipulation.

PROJECTS

Student Score Prediction **LINK**

Tech: Python, Scikit-learn, Pandas, NumPy, FastAPI, SQL, Git

- Designed a modular end-to-end ML pipeline covering data ingestion, transformation, model training and prediction.
- Trained and evaluated regression models to predict student performance.
- Built FastAPI REST endpoints integrated into a web app, with custom logging, exception handling and environment configuration.

Invoice Intelligence System **LINK**

Tech: Python, Scikit-learn, Pandas, NumPy, SQL, Streamlit, Git

- Built an end-to-end ML application to automate invoice analysis, covering preprocessing, feature engineering, training, evaluation and prediction.
- Developed and tuned regression and classification models, with SQL-based data processing.
- Deployed an interactive Streamlit app for real-time predictions, using a modular, production-ready project structure.

Household Energy Consumption Estimation **LINK**

Tech: Python, TensorFlow/Keras, XGBoost, FastAPI, HTML/CSS/JavaScript

- Built a multi-layer ANN regression model to estimate household Global Active Power, reaching about 0.90 R^2 on the test set.
- Compared XGBoost and ANN using MAE, RMSE and R^2, after preprocessing, feature engineering, scaling and EDA.
- Developed a FastAPI + HTML/CSS/JavaScript application serving the trained model for real-time estimation.