

Sanket Raval

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PROFESSIONAL SUMMARY

Certified AI & Machine Learning Engineer with strong expertise in Python, ML algorithms, data preprocessing, model evaluation, and analytics. Completed a 6-month industry internship in Python AI & ML, gaining hands-on experience with real-world model development workflows. Previously worked as a Java Developer, contributing to large-scale enterprise applications. Skilled at building clean ML pipelines, analyzing data, and delivering efficient, data-driven solutions.

TECHNICAL SUMMARY

Programming: Python, Java, JavaScript

Machine Learning: Regression, Classification, Random Forest, Decision Tree, KNN, SVM, K-Means

Python Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn

Tools & IDEs: Jupyter Notebook, PyCharm, VS Code, Git, GitHub

Databases: MySQL, PostgreSQL

Skills: Feature Engineering, Model Evaluation, Data Cleaning, Exploratory Data Analysis (EDA)

SOFT SKILLS

- Problem Solving
- Team Collaboration
- Positive Attitude
- Quick Learner
- Analytical Thinking
- Leadership
- Adaptability

MACHINE LEARNING PROJECTS

• Classification Model (Logistic Regression / SVM)

- Performed EDA, handled missing values, encoded categorical features, and applied scaling.
- Trained Logistic Regression and SVM models for binary classification.
- Improved model performance through hyperparameter tuning.
- Evaluated models using Accuracy, Precision, Recall, and F1-Score.

- **House Price Prediction (Linear Regression)**

- Built a regression pipeline using Pandas, NumPy, and Scikit-Learn.
- Applied feature scaling, correlation analysis, and multicollinearity checks.
- Evaluated model performance using R², MAE, MSE, and RMSE.

- **Customer Segmentation (K-Means Clustering)**

- Processed a customer behavior dataset and normalized feature values.
- Identified multiple customer segments using the elbow method for optimal K selection.
- Visualized clusters using Matplotlib and Seaborn.

- **End-to-End ML Pipeline Development**

- Implemented a full ML workflow covering data cleaning, preprocessing, model training, and evaluation.
- Used model comparison techniques to identify the best-performing model.

EXPERIENCE

Python AI & ML Intern — Elsner Technologies Pvt. Ltd (2025)

- Completed a 6-month intensive AI-ML internship program.
- Worked on ML tasks including preprocessing, scaling, EDA, and algorithm implementation.
- Developed multiple ML models as part of guided project assignments.

Junior Java Developer — Cahoot Technologies (Jan 2025 – Mar 2025)

- Worked on CTMS, CCM, and EHRMS enterprise systems.
- Developed backend modules using Spring Boot.
- Integrated REST APIs with Angular front-end applications.

Java Developer Intern — Azilen Technologies (Jan 2024 – Jun 2024)

- Developed REST APIs for PES and COMS systems.
- Implemented database operations using Hibernate.
- Performed unit testing and managed version control using Git.

EDUCATION

MCA — Indus University (CGPA: 9.17)

BCA — Gujarat University (SLICA College) (CGPA: 6.61)

PROJECTS

1. Bharat Mart Portal (B2B Software):

- Developed a full B2B trading web application for buying and selling electronic products.
- Designed an admin panel to manage products, businesses, categories, and other system entities.
- **Technologies:** ASP.NET, C#, SQL, HTML, CSS, JavaScript

2. A Web Application Of Employee Engagement System:

- Developed a full-stack Employee Engagement System (EES) providing HR management solutions for organizations.
- Implemented two modules: Admin for recruitment management and Member for employee engagement.
- **Technologies:** Java Spring Boot, Hibernate, JPA, JAXB, Angular 6