

# Sanket Raval

+91 9974932821 | Ahmedabad | [sanketraval01@gmail.com](mailto:sanketraval01@gmail.com) | [Linkedin](#)

## 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
- Analytical Thinking
- Team Collaboration
- Leadership
- Positive Attitude
- Adaptability
- Quick Learner

## 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  $R^2$ , 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