

# VANDAN DALVI

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## PROFESSIONAL SUMMARY

Final-year Information Technology engineering student specializing in machine learning and data-driven application development. Hands-on experience across the complete ML workflow including data preprocessing, feature engineering, model training, evaluation, and backend deployment using RESTful APIs. Focused on building practical, product-oriented AI systems rather than isolated academic models.

## EDUCATION

### AP Shah Institute of Technology

*Bachelor of Engineering in Information Technology*

Thane

2022 – 2026

## TECHNICAL SKILLS

**Programming:** Python, JavaScript, SQL

**Machine Learning & Data:** Scikit-learn, Pandas, NumPy, Data Preprocessing, Feature Engineering, Model Training, Model Evaluation

**Backend & Deployment:** Flask, REST APIs

**Databases:** MySQL, MongoDB

**Tools & Fundamentals:** Git, GitHub, Jupyter Notebook, Excel, Data Structures, OOP, DBMS, Computer Networks

## PROJECTS

### Talkito – AI-Based Interview Analysis Platform (Capstone Project)

*Machine Learning & Applied AI*

- Designed and developed an AI-driven interview simulation platform to evaluate candidate communication and response quality.
- Applied data preprocessing and feature extraction techniques to convert raw interview inputs into structured performance metrics.
- Generated post-interview analytical reports highlighting strengths, gaps, and improvement areas.
- Developed backend APIs to manage interview sessions, analytics pipelines, and report generation workflows.
- Built the system with a product-oriented mindset, prioritizing actionable feedback over raw model predictions.

*Tech: Python, Scikit-learn, Machine Learning Models, Flask, REST APIs*

**Link:** *Demo Idea*

### ClaimSense – AI-Based Insurance Claims Verification Platform

*AI & Data Processing System*

- Implemented OCR-based extraction to convert unstructured insurance claim documents into structured datasets.
- Applied validation and post-processing logic to verify extracted information against stored records.
- Designed backend workflows for claim verification, error handling, and data consistency checks.

*Tech: Python, Pandas, Flask, OCR*

**Links:** *GitHub | Live Demo*

## ADDITIONAL PROJECTS

Curated portfolio of AI, machine learning, and full-stack projects demonstrating applied ML pipelines, backend integration, and real-world data handling.

**Project Portfolio Link:** [View Projects]

## EXPERIENCE

### Independent Developer (Personal Initiative)

*Project-Based Learning*

2023 – Present

- Designed and developed ML-assisted and data-driven applications from problem definition to deployment.
- Worked on data validation, feature preparation, API design, and iterative model improvements.

## LANGUAGES

English, Marathi, Hindi