

## HRISHIKESH PATIL

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### Professional Summary

I'm a recent graduate in computer science with hands-on experience in AI and machine learning projects, including building language models and applying NLP for real-world tasks. I enjoy solving problems using data and creating practical solutions with Python and modern AI tools. I'm now looking to apply my skills and keep learning as part of a forward-thinking team.

### Experience

#### AI Intern | Infosys | July - Present

- Assisted in preprocessing and cleaning datasets for AI/ML model experimentation.
- Gained hands-on exposure to Python and core ML libraries while learning foundational AI concepts.

### Skills

- Programming & ML:** Python, NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch
- Data Handling:** Data preprocessing, cleaning, feature engineering, large dataset analysis
- Tools & Platforms:** Git, SQL/NoSQL databases, cloud exposure (AWS)
- AI Techniques:** NLP basics, computer vision fundamentals, ensemble learning, embeddings

### Projects

#### 1) Intelligent Document Classifier –

- Built a machine learning pipeline to automatically categorize documents using vectorization and classification models, improving efficiency in document management.

#### 2) Semantic Search Engine for Notes –

- Developed a semantic search system with FAISS/Chroma and HuggingFace embeddings to enable natural-language queries over uploaded notes, delivering advanced and intuitive information retrieval.

#### 3) Credit Risk Prediction (Ensemble Learning) –

- Designed a stacked ensemble model (Logistic Regression, Random Forest, Gradient Boosting, XGBoost/LightGBM) to predict loan default risk, achieving higher ROC-AUC and highlighting key financial risk drivers.

### Education

Bachelor of Engineering in Computer Science | 2025

Savitribai Phule Pune University | Maharashtra

CGPA: 7.5/10

### Certifications

- Data Science Bootcamp (2024) | GFG:** Completed comprehensive certification programs in data science, enhancing skills in data analysis, machine learning, and statistical modelling.
- SQL Certification (2024):** Understanding the intermediate database management and query optimization.
- Mastering Gen AI and Chatgpt (2025) | GFG:** Completed a comprehensive Generative AI program covering deep learning, supervised/unsupervised learning, self-attention models, and transformer-based architectures.