

ATHARWA THORAT

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SUMMARY

AI/ML engineer with experience in deep learning, NLP, and computer vision. Skilled in Python, TensorFlow, PyTorch, and scikit-learn, with hands-on work in preprocessing, feature engineering, model training, and evaluation (accuracy, precision, recall, F1). Familiar with deployment using Streamlit, FastAPI, and Docker, and collaborative development with Git. Seeking opportunities in applied ML and data-driven solutions.

TECHNICAL SKILLS

Programming	Python, SQL
ML / DL	TensorFlow, PyTorch, Keras, scikit-learn, Transformers, spaCy, NLTK
Data & Viz	NumPy, Pandas, Matplotlib, Seaborn, PyPDF2, Streamlit
Tools & Deployment	Git, Docker, FastAPI, MySQL, model evaluation, hyperparameter tuning
Embedded	Arduino (IoT sensors)

PROFESSIONAL AND INTERPERSONAL SKILLS

Communication | Critical Thinking | Analytical Problem Solving | Logical Reasoning | Collaboration

PROJECTS

Risk Analysis of Legal Documents

Sep 2025 – Present

Deep Learning & NLP

Transformers, spaCy, PyPDF2, Streamlit

Developed a pipeline for legal document ingestion, preprocessing, and clause-level classification.
Implemented BERT/LegalBERT for risk categorization (high/medium/low) and evaluated performance using accuracy and F1.
Created Streamlit dashboards for visualization and interactive manual review.

Netflix Dataset Visualization

Jul 2025 – Aug 2025

EDA Project

Pandas, Matplotlib, Seaborn, Streamlit

Performed EDA to identify content and user trends; summarized insights for decision support.
Built interactive Streamlit dashboard to visualize patterns and comparisons.

Secure Communication using Morse Code

Jan 2025 – May 2025

IoT Project

Arduino, IoT Sensors

Designed a prototype for secure message transmission using Morse code over Arduino.
Integrated IoT sensors to demonstrate wireless message transfer.

Intent-Based Chatbot

Jun 2025 – Jul 2025

NLP Project

Python, Rasa, spaCy, Streamlit

Developed chatbot pipeline for intent classification and entity extraction using Rasa and spaCy.
Built Streamlit interface and tested across scenarios to improve classification accuracy.

EDUCATION

B.E. in Artificial Intelligence and Machine Learning

2021 – 2025

Savitribai Phule Pune University (SPPU), Pune, India

CERTIFICATIONS

Kaggle Learn: Python, Machine Learning, Prompt Engineering
German Language Certification: A2 Level
Publication: Secure Communication using Morse Code