

Smriti Asthana

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TECHNICAL SKILLS

- **Programming:** Python, SQL, HTML, CSS, JavaScript | **Backend:** FastAPI, REST APIs, SQLAlchemy, Pydantic
- **Machine Learning:** PyTorch, Transformers, HuggingFace, Scikit-learn, TensorFlow NLP, FAISS
- **Database:** PostgreSQL, Redis, MySQL | **Tools:** Git, GitHub, Docker, GitHub Actions (CI/CD – basic)
- **Cloud:** AWS (S3, SageMaker), Azure (App Service) | **Data Analysis:** NumPy, Pandas, Matplotlib, NLTK
- **Generative AI:** Prompt Engineering, RAG, LLMs, Gemini API, LangChain, AI Agents
- **Core CS:** Data Structures and Algorithms (basic), OOP, Operating System, Computer Networks

EXPERIENCE

TEAM-PSMPV | Founding Team Member & Team Lead | Remote (June 2026 – Present)

- Launched OfflineTTS on Google Play and delivered a responsive website for Anand Hospital.
- Co-founded TEAM-PSMPV and lead technology delivery across websites, Android applications, AI agents, chatbots, automation solutions, and managed IT services.

HANDSHAKE | AI Trainer - Project Dynamo | Remote (July 2026 – Aug 2026)

- Created and evaluated command-line benchmark tasks to assess AI agents on multi-step terminal workflows, debugging, and verifiable output generation.

WONEGLOBAL | Founding Office Intern | Onsite- Delhi (June 2025 – July 2025)

- Automated routine workflows and collaborated across teams to streamline operations reducing manual effort by approximately 15%

PROJECTS

Enterprise AI knowledge assistant (RAG-based document Q&A system) | [GitHub](#) | [Live Demo](#)

Python, FastAPI, Streamlit, FAISS, Gemini API, Sentence Transformers, Docker

- Developed an end-to-end Retrieval-Augmented Generation (RAG) system enabling users to upload PDFs and query documents through natural language conversations.
- Implemented hybrid retrieval, conversation memory, evaluation metrics, and hallucination testing to deliver reliable, context-aware responses.

OFFLINE TTS (ANDROID APP) | [Google Play Store](#) | *Kotlin, Kokoro TTS, Piper Text Chunking*

- Built and launched a privacy-first text-to-speech app supporting 8 languages, 70,000+ characters, audio export, and fully offline use without login, subscription.
- Designed a chunked inference pipeline that normalizes long text and uses Kokoro and Piper models to convert graphemes into phonemes and synthesize natural speech on-device.

Fake review detection system (AZURE Hosted) | [GitHub](#) | [Link](#) | [Live Demo](#) *Python, Scikit-learn, HuggingFace, Azure*

- Built and deployed an NLP classifier using TF-IDF, SVM, Logistic Regression, XGBoost, and DistilBERT, achieving approximately 88% accuracy with Azure CI/

PUBLICATIONS

Fake Review Detection in E-Commerce: A Critical Review of Robustness, Generalization, and Deployment Challenges | *IJERCSE, Vol. 13, Issue 05, May 2026* | [Link](#)

- Published review paper analyzing ML, NLP, and transformer-based approaches for fake review detection

EDUCATION

- **B.Tech. Computer Science and Engineering (AI)** [Nov 2022 – Jun 2026]
Galgotias College of Engineering and Technology | CGPA: 7.3
- **Class XII (CBSE): 89.9% | Class X (CBSE): 94.4%**

CERTIFICATIONS & ACHIEVEMENTS

- Supervised Machine Learning (Andrew Ng): Regression and Classification – Coursera | [Credential URL](#) | Aug 2025
- AWS Academy Graduate - Machine Learning for Natural Language Processing | [Credential URL](#) | Apr 2026
- McKinsey Forward Program | [Credential URL](#) | Issued Jun 2026
- Oracle Cloud Infrastructure Certified AI Foundations Associate | [Credential:103012803OCI25AICFA](#) | Oct 2025