Geetangi Sharma

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Education

Manipal University Jaipur (2022-2026), B.Tech in Computer Science and Engineering

- Coursework: ML, NLP, AI, Computer Vision, Predictive Analytics, DSA, OOP, RDBMS, Soft Computing, Economics
- XII: Jayshree Periwal Global School — Non-Medical + Entrepreneurship; Leadership in Cultural & Entrepreneurship Student Council

Experience

Proeffico Solutions (June-August 2025) Completed a two-month internship at Proeffico Solutions, a startup specializing in **Generative AI, Computer Vision, and AI solutions**. Gained hands-on real-world experience in developing and deploying AI systems across multiple domains. Worked on cutting-edge projects involving generative models, computer vision applications, and AI-driven solutions, strengthening practical skills in deep learning, and production-ready AI implementations.

Skills

- • **Languages:** Python, C
- **Frameworks & Libraries:** TensorFlow, Keras, Scikit-learn, FastAPI, PySpark, OpenCV, YOLO, PyTesseract, PaddleOCR, BERT, Pinecone, Transformers
- **Tools & Platforms:** Git, GitHub, Jupyter Notebook, VS Code, Google Cloud Vision API, Docker, Streamlit
- **Core Competencies:** Supervised & Unsupervised Learning, NLP, Computer Vision, Object Detection, OCR, Image Processing, Spatial Analysis, Crowd Monitoring, Model Evaluation, Clustering, Data Preprocessing, Model Deployment, Text Classification, Sentiment Analysis, Vector Search, Document Layout Analysis, Image Quality Assessment
- **Soft Skills:** Analytical Thinking, Communication, Collaboration, Problem Solving, Research & Development

Projects

DocuMind - Advanced RAG System (2025)

- Developed high-performance document Q&A system achieving >95% accuracy with 20ms response times using hybrid retrieval combining dense semantic search and sparse BM25 keyword matching. Implemented semantic chunking, cross-encoder reranking, and FAISS vector indexing with caching optimization for real-time document analysis. **GitHub:** github.com/geez5/DocuMind

People Detection & Spatial Analysis (2025)

- Implemented YOLOv5-based system to detect and count people on left/right sides of frame with spatial positioning analysis for crowd monitoring applications.

Multi-Modal OCR Detection System (2025)

- Developed comprehensive OCR solution combining PaddleOCR, PyTesseract, and Google Cloud Vision API to detect handwritten text, printed text, and document layout analysis.

Fake News Detection System (2025)

- Built a logistic regression model with TF-IDF features (94% accuracy on 10,000+ articles). **GitHub:** github.com/geez5/fake_news_detector

Blur Detection using Laplacian Filter (2025)

- Built image quality assessment system using Laplacian variance to automatically detect and classify blurry images with configurable threshold parameters

Customer Segmentation Analysis (2025)

- Clustered 12,000+ customer records using K-Means and DBSCAN; visualized results. **GitHub:** github.com/geez5/Customer-Segmentation-Clustering

Certifications

- **IBM:** Data Science Foundations – May 2025, **IBM:** Artificial Intelligence Fundamentals – Dec 2024
- **Smart India Hackathon** 2024, **NBC Idea Factory** 2025