CHANDAN MALAKAR

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CAREER SUMMARY

Final-year Computer Science student with hands-on experience building machine learning pipelines, deploying NLP/GenAI applications, and automating analytics workflows. Adept in Python, SQL, and modern AI toolkits like LangChain, Hugging Face, and Streamlit. Known for fast iteration, clean code, and a bias toward production-ready solutions.

EDUCATION AND CERTIFICATION

Bachelors in Engineering | Computer Science and Engineering
Aarupadai Veedu Institute of Technology, Chennai, TN   2022 – Present

PROJECTS

FINSIGHT – OCR + LLM Bank Statement Chatbot   Oct 2025 – Nov 2025
- Developed a full OCR → RAG → LLM pipeline using Qwen3:VL-OCR, LangChain, and Hugging Face to extract structured data from scanned bank statements.
- Reached **92% extraction accuracy** across multi-format PDFs after iterative model tuning.
- Deployed with Docker for **real-time testing**.

LEXORA – PDF AI Chatbot (LLM + RAG)   Jul 2025 – Aug 2025
- Built a PDF-query engine using embeddings and vector search to deliver **source-mapped answers** from unstructured documents.
- Packaged the system in Docker and exposed robust APIs for upload, querying, status checks, and external integrations.

LEGALX – Legal Advisory System using RAG   Jul 2025 – Aug 2025
- Designed a retrieval engine using ChromaDB and Transformer models to search and analyze **10,000+ legal case files.**
- Integrated LangChain to improve contextual accuracy and enable transparent citation mapping.

TECHNICAL SKILLS

- Coding – Python, SQL, C++
- Data Workflows – Pandas, NumPy, Data Cleaning, Feature Engineering, Statistical Analysis
- Machine Learning – Model Training, Validation, Hyperparameter Tuning, Model Optimization
- NLP & GenAI Systems – Hugging Face Transformers, LangChain, ChromaDB, Embeddings, RAG Pipelines
- Deployment – Flask, Vercel, Docker, Git, CI/CD, AWS
- Visualization – Power BI, Matplotlib, Seaborn
- Tools – VS Code, Git, Jupyter Notebook

WORK EXPERIENCE

Data Analyst Intern | UNIDIF CORP   May 2025 – Jul 2025

- Built automated Python + SQL pipelines to process **1,000+ manufacturing records**, reducing manual effort by **40%**.
- Applied regression modeling and hypothesis testing to identify defect trends, leading to improve quality metrics.
- Delivered weekly analytics reports and collaborated with cross-functional teams to drive data-backed decisions.

CERTIFICATIONS

Machine Learning by IBM – Coursera   2025
Google Data Analytics – Coursera   2025
Data Science Bootcamp – Udemy   2024

ACHIEVEMENTS

Runner Up – Intellecthon   2025
Google Student Ambassador – Gemini Edition   2025
Winner – Netrix Ideathon   2024
Top Performer Achievement – Academics   2022-2025