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PROFESSIONAL SUMMARY

Driven **Machine Learning Specialist** with proven expertise in designing **multi-agent LLM systems**, **deep computer vision pipelines**, statistical forecasting, and **cloud-native API deployments**. Demonstrated capability in leading technical development across full-stack applications (**Next.js**, **FastAPI**, **PyTorch**), specializing in **explainable AI**, **scalable autonomous systems**, and **production-grade microservice architectures**.

EDUCATION

Bachelor of Technology – Artificial Intelligence and Machine Learning

November 2021 - July 2025

Teegala Krishna Reddy Engineering College, Hyderabad, India.

Relevant Coursework: AI, Machine Learning, Deep Learning, Data Structures & Algorithms, Operating Systems, Computer Networks, DBMS, Distributed Systems, Probability & Statistics

WORK EXPERIENCE

Frontend Developer

March 2026 - May 2026

7 Kings Code

- Built and maintained enterprise-grade web apps for **CWS**, a German client, using **Next.js**, **TypeScript**, **Tailwind CSS**, and **Sitecore XM Cloud**, developing reusable, modular, responsive UI components supporting **19 languages** per modern frontend best practices.
- Contributed to migrating a **12-year-old legacy system** to a modern **Sitecore AI platform**, delivering the current **CWS workwear** and **hygiene** website now live in production.
- Collaborated with **cross-functional teams** and stakeholders to deliver new features, enhance UX, and ship **production-ready** work within sprint deadlines, using **Azure DevOps** and **Jira** for Agile task, sprint, and bug management.
- Implemented **pixel-perfect, responsive, accessible, high-performance, cross-browser compatible interfaces**, integrating backend APIs for seamless data flow and maintainable code, while participating in **code reviews, testing, and continuous improvement**.

Data Scientist

May 2023 - July 2023

Siyaara Evolutions

- Conducted data preprocessing, **feature engineering**, and **exploratory data analysis (EDA)** on large-scale structured datasets using **Python**, **Pandas**, and **NumPy**.
- Built predictive baseline statistical models and interactive analytical dashboards using **Tableau** and **Matplotlib** to support business intelligence decision-making.
- Formulated **end-to-end data pipelines** for data validation, cleaning, missing value imputation, and automated analytics reporting.

TECHNICAL PROJECTS

AI Financial Analyst – Multi-Agent Intelligence & Neural Vision Platform

[→ Live Demo](#)

- Designed **LangGraph**-based multi-agent system (**Researcher**, **Quant**, **Auditor**, **Competitor**, **Editor**) for real-time financial data extraction, technical indicators (**RSI**, **EMA**, **MACD**, **Bollinger Bands**), risk metrics, and valuation checks.
- Built **Bloomberg-style investment analysis** reports and a multimodal **PyTorch CNN-Transformer** model on **OHLCV/candlestick** data to predict 5-day return distributions.
- Deployed headless AI engines on **Hugging Face Spaces** (**Gradio**, **GPU-accelerated**), integrated with a **Next.js** frontend.

- **Fine-tuned EfficientNet-B0** (PyTorch) on 20,000+ agricultural leaf images across 15 crop disease classes, achieving **97.84% validation accuracy**.
- Implemented **Grad-CAM (Explainable AI)** in **PyTorch** for real-time attention heatmaps and localized plant leaf lesion visualization.
- Deployed a **FastAPI microservice** on Hugging Face Spaces with stream byte processing, multipart uploads, live webcam inference, top-5 prediction scoring, and an interactive **Next.js frontend**.

Specialized Machine Learning & Natural Language Processing Portfolio

→ [Live Demo](#)

- Developed a suite of **specialized AI microservices**: (1) [Skin Lesion Classification](#) – **PyTorch CNN model** classifying 7 medical lesion types with clinical risk scoring; (2) [AI Interview Analyzer](#) – Speech-to-text engine (**Web Speech API**) with automated response scoring and real-time vocal metrics; (3) **Multi-Task NLP Suite** – 28-[emotion predictor](#) (GoEmotions), [SMS spam classifier](#), and 3-class [sentiment analyzer](#) served via async **FastAPI endpoints**.

RESEARCH PRESENTATIONS & PROFESSIONAL SPEAKING

Research Paper – International Journal of Research and Analytical Reviews (IJRAR)

→ [View Paper](#)

- **Research paper accepted** in IJRAR (Paper ID: IJRAR_312194) on an AI-powered **multimodal text generation** platform integrating **STT, TTS, OCR, Translation, and Summarization** using Next.js, TypeScript, and **Genkit AI**.

Founder & President | AnanthGyan – Student-Led Career & Technology Initiative

- Founded and led **AnanthGyan**, a student-led academia-industry initiative connecting students with professionals from **Microsoft, Google, DBS Bank**, and global tech/consulting firms. Organized technical talks, career sessions, hackathons, and sports/e-sports events for **400–500+ students**. Led **strategic planning, stakeholder engagement, speaker outreach**, and end-to-end event execution, collaborating with Senior Software Engineers, Consultants, AML Engineers, and Directors to strengthen academic-industry ties.

TECHNICAL SKILLS

- **Programming**: Python, TypeScript, JavaScript, SQL (PostgreSQL), HTML5/CSS3
- **AI & Machine Learning**: PyTorch, LangGraph, Transformers, Scikit-Learn, Grad-CAM, OpenCV
- **Web & DevOps Tools**: FastAPI, Next.js 14, React, Tailwind CSS, Docker, Git, Vercel, Supabase
- **Cloud Platforms**: AWS (Certified AI Practitioner), Hugging Face Spaces, Upstash Redis REST
- **Analytics & Data Tools**: Pandas, NumPy, Tableau, Wolfram Language, Matplotlib, Seaborn
- **Operating Systems**: Linux (Ubuntu), Windows

CERTIFICATIONS

- AWS Certified AI Practitioner – Amazon Web Services (AWS) → [View Certificate](#)
- ML Statistical Foundations Professional Certificate – Wolfram Research → [View Certificate](#)
- NSDC Certified Data Science Professional – NSDC → [View Certificate](#)
- Machine Learning Professional Certification – Internshala → [View Certificate](#)
- Tableau Data Analytics & Visualization – Internshal → [View Certificate](#)

LANGUAGES

English	German	Hindi	Telugu
IELTS B2	Conversational	Conversational	Native

INTERESTS

Exploring applications of **explainable AI** in high-stakes domains like healthcare and finance; contributing to open-source ML tooling and building AI-driven community/education platforms.