

# ANISH PUJARI

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## Technical Skills – AI/ML Engineer

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**Languages and Databases:** C, C++, Python, HTML, CSS, JavaScript, SQL

**Visualization Tools:** Scikit-learn, TensorFlow, Keras, PyTorch, NumPy, Pandas, Matplotlib.

**NLP MODEL / FRAMEWORKS:** NLTK, SpaCy, Transformers (Hugging Face), Ollama, LangChain

**Development Tools:** Jupyter Notebook, Git/GitHub, StreamLit

**Specializations:** Predictive Analytics, Computer Vision, Natural Language Processing, Model Optimization

## Education

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### Alliance University – Alliance School of Advance Computing

March 2021 – Present

B. Tech. in Computer Science & Engineering | Artificial Intelligence & Machine Learning – 8.5 CGPA Bengaluru, Karnataka

## Experience/Projects

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### Wipro Limited

April 2025 –

August 2025

Cloud Infrastructure Services - Intern

Bengaluru, India

- During my Wipro internship, engineered the **AI-Investment-Strategist** platform, leveraging **multi-agent systems** and predictive analytics to improve investment insight efficiency **by 40%**. Developed a **real-time Amazon review sentiment analysis and topic modeling pipeline** using **LangGraph** and NLP, achieving **92% classification accuracy** and reducing model inference time by **35%**.

### Qualcomm, Bengaluru

March 2024 –

August 2024

Multi-media Team - Intern

Bengaluru, India

- At Qualcomm's Multimedia Team, I spearheaded the development of **deep learning-based post-processing algorithms** for **HEVC video compression artifact reduction**, achieving a **6% improvement** in visual quality. Engineered a **CNN with Inception blocks** from GoogleNet to reduce learnable parameters by **2x**, and explored **GAN architectures** with perceptual, smooth, and MSE loss functions, applying hyperparameter tuning to optimize results.

## Professional Projects

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### AI-Investment-Strategist | Python, Streamlit, Yahoo Finance API, Plotly, Google Gemini via Agno AI| [Code](#)

- Developed a **multi-agent AI-powered financial analyst** using **Microsoft's Multi-Agent Architecture** implemented via **AutoGen** and **Agno AI**, improving decision-making accuracy by **40%**. Designed a **Chain-of-Experts** workflow with dedicated agents for market analysis, company research, stock strategy, and final report compilation. Integrated **Yahoo Finance API** for real-time analysis of 100+ stock tickers and **Plotly** for interactive visualizations, boosting engagement by **35%**. Leveraged **Google Gemini** for NLP-driven insights, achieving **90% relevance accuracy** in back-testing.

### Amazon Review Topic-modelling | Python, LDA, LSA, DOCETL, Lang Extract, BERT Embeddings, Local LLMs (Ollama, Hugging Face), React, Tailwind CSS| [Code](#)

- Implemented **unsupervised topic modelling** on large-scale product reviews using **DOCETL** for automated ETL pipelines and **LangExtract** for linguistic preprocessing. Applied **LDA** and **LSA** for statistical topic extraction, then refined results with **BERT embeddings** for semantic clustering. Enhanced interpretability via **local LLMs** generating human-readable topic labels, improving topic coherence scores by **25%** and reducing preprocessing time by **40%**.

## Awards and Achievements

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- Team Lead for National Hackathon:** Achieved 3rd place out of 400+ teams.
- IEEE Computer Society Student Branch Chair:** Led a team of 50+ and boosted student engagement by 30 %.
- AUSAT Scholarship Recipient:** Ranked 1st out of 1,000+ candidates.
- National Ideathon Winner:** Outperformed 200+ participants with innovative solutions.
- Student Opinion Lead for Snapchat:** Improved app features based on feedback from 5,000+ students.

## Publications

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### Advanced Forecasting of Gold Futures:

September 2024

A Comparative Study of ARIMA vs. LSTM Models Enhanced by Economic News Analysis with Smart Money Framework