

Anvi Wadhwa

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SUMMARY

Computer Science student passionate about Artificial Intelligence, Machine Learning, and Quantitative Finance. Experienced in building AI-driven applications integrating NLP, deep learning, and financial modeling. Skilled in data pipelines, research-based automation, and visualization.

PROJECTS

Resume Insight Analyzer [Link to Demo](#)

Built an AI-powered Streamlit app using Sentence Transformers and SpaCy to analyze resumes, identify skill gaps, and evaluate tone using semantic similarity and sentiment scoring.

Financial Analysis and Stock Prediction App [Link to Demo](#)

Developed a predictive stock analytics system with Yahoo Finance, Finnhub API, Prophet, and XGBoost for real-time visualization and sentiment-based market insights.

Real-Time Emotion Detection [Link to Demo](#)

Implemented a webcam-based facial emotion recognition system using OpenCV and FER for real-time classification of human emotions.

Monte Carlo Stock Price Simulation [Link to Demo](#)

Simulated probabilistic stock price movements using Monte Carlo methods with Streamlit, NumPy, and yFinance for interactive financial forecasting.

Vision Transformer (ViT) from Scratch [Link to Demo](#)

Built a Vision Transformer (ViT) from scratch in PyTorch with custom patch embedding, multi-head self-attention, and MLP layers. Trained the model on the CIFAR-10 dataset, achieving strong image classification performance and analyzing attention maps for interpretability.

EDUCATION

2024 – 2028 Bachelor of Technology in Computer Science, VIT Chennai (CGPA: 8.4)

Clubs: Business Innovation Community (R&D Lead), Microsoft Innovation Community (AI/ML Member), HackClub (Blockchain Member), Robotics club(ML Member), Mathematics Club (Research Member)

2024 Class 12 – St. Francis School (86%)

2022 Class 10 – St. Francis School (93%)

CERTIFICATIONS

- Data Science with Python (Iamneo)
- Quantitative Finance (IIT Kharagpur)
- Python and Automation (IIT Bombay)
- Machine Learning Specialization (Coursera – Andrew Ng)
- Scientific Computing
- Data Analysis with Python (FreeCodeCamp)

SKILLS

Programming Languages

Python, C, Java

Machine Learning & AI

Deep Learning, NLP, Computer Vision, Generative AI, Time-Series Forecasting

Frameworks & Libraries

PyTorch, scikit-learn, LangChain, OpenCV, NumPy, Pandas, Matplotlib, Streamlit

Tools & Platforms

Git, VS Code, Jupyter Notebook, Google Colab, Finnhub API, Yahoo Finance

Core Competencies

Model Training & Optimization, Statistical Modeling, Feature Engineering, Sentiment Analysis, Data Visualization

Additional

Research Writing, Technical Blogging (Medium), Data Analysis