

Anurag Basavaraj Bhusare

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Portfolio: <https://anuragportfolio-three.vercel.app/>



EDUCATION

- **PES UNIVERSITY**
Bachelor of Technology, Computer Science and Engineering
GPA: 8.75 *, Specialization: Data Science and Machine Learning
Dec 2021-July 2025
- **Sri Chaitanya College**
Grade: 95.6%
Mar 2019- Apr 2021
- **Kendriya Vidyalaya Malleswaram**
Grade: 95.4%
Mar 2010-Apr 2019

WORK EXPERIENCE

Right Media Tech Private Limited

GenAI Intern

Jun 2024-Aug 2024

- Engineered and optimized generative AI tools, focusing on diffusion models and voice-AI technologies, implemented RAG systems and workflow automation.
- Conducted in-depth research on emerging AI trends, producing weekly reports that informed strategic decision-making and product roadmap.

PROJECTS

Text Replacement using Image Inpainting (Deepfill-v2 GAN):

- Created a Pipeline for detecting text and their corresponding bounding boxes using Google Vision API, then based on the user prompt for the text to be replaced and further create its mask.
- Use pre-trained Deep-fill v2 GAN based Inpainting Model to inpaint text from the created mask while preserving the surrounding context. Finally insert the new text fitting the bounding box height on the inpainted region using Pillow lib. Provides an end-to-end and visually consistent solution for Text Replacement in images.

Stock Analysis Agent:

- Created a sophisticated stock analysis tool using Python, CrewAI, and LangChain, processing data from 500+ companies.
- Developed a multi-agent architecture with Research, Financial, Staff analyst agents and tuned parameters to perform their specified task for comprehensive analysis of SEC 10K-10Q filings, integrating web scraping capabilities of serper AI and BrowserTools and streamlined the reporting process for finance teams.

Imitation Learning:

- Constructed an imitation learning model with Unity ML-Agents, achieving an 80% success rate (based on rewards defined) in mimicking expert behavior.
- Recorded and processed 26 expert demonstrations using Unity's demonstration recorder and created a simulation of flying hummingbirds that navigate and interact with their environment, wrote Logic defining the reward functions according to the environmental constraints, demonstrating advanced AI behavior in a Unity mini-game.

MemGPT-AutoGen Agents:

- Devised an AI-driven Stock Analysis System using AutoGen and MemGPT tools that facilitate multi-agent conversation and provide in-context memory conservation respectively with integration of Twelve-Day real-time market data API for informed analysis.
- Designed a System with two AI agents one pessimistic (Potential risks) and other Optimistic (potential growth opportunities) and tuned llm parameters to evaluate stock performance who have contrasting viewpoints which engage in a discussion to determine best investment options.

Gemini-vs-OpenGPT-4o:

- Built a Gradio-based web application comparing Gemini 1.5 Pro and OpenGPT 4o (Trained on Mixtral-8x7B-instruct-v0.1), featuring asynchronous processing, customizable model parameters, web search integration, and a responsive UI, achieving reduction in response time compared to sequential processing through this implementation.
- Demonstrated proficiency in Python, integrating multiple AI APIs, and creating interactive AI demos for performance comparison.

ADDITIONAL

Technical Skills: Python, Machine Learning, Generative AI, LLM, Prompt Engineering, Data Analysis, Cloud and DevOps:

AWS (AWS bedrock, AWS Sage maker, AWS Lambda, S3) and Git.

Soft Skills: Logical-Rational Thinking, Drive and Initiative, Eagerness to Learn.

Certifications & Training: [Google Data Analytics Specialization](#)

Languages: English, Hindi, Kannada.

Awards: 2nd Rank in National Spell Bee Competition, Chairman Award for Keyboard in Akhil Bhartiya Sangh National Contest, Runner-up in Inter-Dept Basketball PES University.