Anshum Jani

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https://github.com/Anshum016

Technical Skills

Languages: Python, JavaScript, Java, SQL

Frameworks/Libraries: HuggingFacce Transformer,TensorFlow, PyTorch, Flask, React.js, Node.js, LangChain, LangGraph

AI/ML: CNN, NLP, Gen AI, Computer Vision, OpenCV, LLMs, Vector Databases (MongoDB Atlas, ChromaDB), RAG, AI Agents (MCP), CUDA

Tools: Power BI, Figma, Photoshop, Canva

Data Science: Scikit-learn,Pandas, NumPy, Matplotlib, Seaborn

Models: Statistical-Linear,Logistic Regression,XG-Boost,SVM,

Internships

AI/ML Intern – Tinkering Hub (Research Lab) **Present**

- Developing AI/ML projects focused on AI Agents, Convolutional Neural Networks (CNN), Generative AI, and Natural Language Processing (NLP).
- Exploring and implementing advanced AI-driven solutions using frameworks like TensorFlow, PyTorch, and LangChain.
- Collaborating with a research team to design and evaluate agent-based models with Vector Databases and RAG pipelines.

UI Intern – Parul Study Abroad Cell, Parul University **Past**

- Designed UI/UX prototypes using Figma, Photoshop, and Canva.
- Gained hands-on experience in user interface design and digital tools.

Projects

WorkForceAI (AI-Powered Web App)

- Built an AI-driven workforce management platform using Flask, integrating multiple AI tools and agents.
- Developed features like GitHub repository summarization, multi-agent collaboration for stock price prediction, and dynamic tool deployment.
- Implemented advanced AI techniques including Retrieval-Augmented Generation (RAG), Vector Databases and AI Agents and used Gemini-APIs and MistralEmbedding-APIs.
- Utilized Python, Flask, HTML/CSS, JavaScript, and LangChain to build robust and interactive AI workflows.

Computer Vision Projects (Deep Learning Focus)

- Developed multiple computer vision models including yoga pose classification using CNNs, medical image segmentation, and object detection on COCO dataset.
- Used tools such as PyTorch, OpenCV, CUDA, and Matplotlib for model development, visualization, and performance enhancement.
- Implemented data augmentation, hyperparameter tuning, and model evaluation techniques to improve accuracy and robustness.

AVB Shipping and Logistic (Full Stack Website)

- Developed a dynamic and responsive front-end using Vite with React.js and styled with Tailwind CSS.
- Designed user-friendly UI/UX using Figma and Photoshop, ensuring a visually appealing interface.
- Implemented backend functionality using Express.js and MongoDB for basic API routes and data handling.
- Optimized website performance and ensured cross-browser compatibility across major platforms.

Education

Parul University **Expected: 2026**

B.Tech in Computer Science and Engineering