Uday G

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Summary

Generative AI and Machine Learning enthusiast with hands-on experience deploying real-world multimodal AI systems and deep learning models. Proficient in building real-world AI solutions using Python, Transformers, and MLOps. Also skilled in data analysis and visualization, with experience extracting insights from large datasets using Pandas, SQL, and Power BI.
Passionate about responsible AI, prompt engineering, and scalable machine learning deployment.

Education

Presidency University, Bengaluru, B. Tech in Computer Science   2021 – 2025
MES Kishora Kendra College Bengaluru, Higher Secondary   2019 – 2021

Technical Skills

Languages: Python, JavaScript, HTML, TypeScript

AI/ML Frameworks: TensorFlow, PyTorch, Scikit-learn, LangChain

Frontend Frameworks: React, Vue, Tailwind CSS

Backend/APIs: Node.js, Express.js, Firebase, MongoDB

Generative AI: Gemini API, Agentic Workflows, Diffusion Models, Image Generation, Prompt Design

MLOps & DevOps: Git, GitHub Actions, Monitoring

Domains: Multimodal AI, NLP, LLM Apps, Full Stack Web Apps

Projects

Income Tax Fraud Detection Using AI & ML /   Dec 2024
- Developed a system to detect fraudulent activities in income tax filings using AI and machine learning techniques.
- Implemented data preprocessing, feature engineering, and model training.
- It employs ensemble models like Random Forest and Support Vector Machine (SVM) to improve the accuracy of detecting fraudulent transactions.

Software solution to identify the end receiver of a cryptocurrency transaction /   May 2025
- Developed a software tool to trace the end receiver in cryptocurrency transactions using graph theory and anomaly detection.
- Integrated Isolation Forest and Graph Neural Networks to analyze wallet behaviors and obfuscation patterns.
- Enabled law enforcement to identify suspicious wallets across Crypto networks with improved accuracy.

E-Commerce Platform | Mar 2025
- A full-stack e-commerce platform with user authentication, product catalog, and payment processing.
- A modern e-commerce website built using React.js and deployed on Vercel.
- It offers a seamless shopping experience with features such as product browsing, cart management, and checkout functionality.

Experience

Freelance Web Developer   Jan 2023 - Present
- Designed and developed responsive websites and web applications using HTML, CSS, JavaScript, and React.
- Implemented SEO best practices and performance optimizations to improve website traffic and usability.

Freelance Data Analyst   June 2024 - Present
- Skilled in data analysis, visualization, and extracting actionable insights.
- Analytical approach to complex technical challenges and evaluation of solutions and approaches.