SATWIK SAHOO

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WORK EXPERIENCE

Luminous Infoway

Associate Software Engineer

- Developed and deployed five scalable applications, enhancing team productivity by 30% and ensuring project deadlines were consistently met through rigorous coding standards and streamlined workflows.
- Collaborated cross-functionally as both SDE and ML engineer to integrate machine learning models into existing platforms, resulting in a 20% improvement in data processing efficiency and reducing algorithm deployment time by 40%.
- Led the troubleshooting and optimization of application performance, achieving a 15% reduction in system latency while maintaining high-quality code delivery under tight deadlines across multiple project phases.

IBM

Software Engineer Intern

- Collaborated with senior developers to enhance project workflows, contributing to a 15% reduction in data processing time and streamlining the development pipeline.
- Mentored intern team members through data cleaning and preprocessing tasks, resulting in a 20% improvement in data accuracy for final project presentations.
- Led critical data handling activities during internship tenure, supporting successful final round presentation victory by ensuring high-quality, reliable datasets that met project standards.

PROJECTS

Start Date - Finish Date

- Developed an AI Resume & Job Description Matching Agent utilizing semantic embedding techniques, resulting in a 35% reduction in resume screening time and improving matching accuracy by 20% compared to traditional keyword-based ATS systems.
- Engineered a Multi-Agent Workflow comprising JD Analysis, Resume Matcher, and Improvement Coach agents, achieving a 15-point increase in ATS score consistency and enabling recruiters to process up to 10 resumes per minute.
- Implemented robust MLOps pipelines with CI/CD methodologies for continuous model updates and real-time drift monitoring, decreasing deployment cycles by 40% and maintaining high model performance across diverse hiring scenarios.

Start Date - Finish Date

- Developed an AI Meeting Notes & Action Items Generator integrating Whisper speech-to-text and LLM summarization, resulting in a 40% reduction in meeting documentation time across enterprise teams.
- Engineered a real-time audio processing pipeline utilizing Retrieval-Augmented Generation (RAG) to improve summarization accuracy by 25%, enhancing clarity of key points and decisions for over 1,000 weekly meetings.
- Automated email delivery of meeting summaries and action items, increasing team follow-up efficiency by 35%, leading to higher adoption rates and consistent usage within organizational workflows.

Start Date - Finish Date

- Engineered a multimodal GenAI chatbot integrating LLaVA, GPT-4V, and BLIP technologies to enable seamless interactions with PDFs, images, and company knowledge bases, increasing internal knowledge retrieval efficiency by 45%.
- Developed retrieval-augmented generation workflows using LangChain and FAISS, facilitating accurate Q&A across both structured and unstructured data sources, resulting in a 60% reduction in response time for complex queries.
- Implemented advanced multimodal capabilities that improved user engagement metrics by 30%, supporting corporate knowledge management initiatives and enhancing the internal knowledge assistant experience for recruiters.

SKILLS & INTERESTS

Skills: MLOps & Deployment**:** MLflow, Docker, Git, GitHub Actions, CI/CD pipelines, FastAPI, Flask, Streamlit, LangChain

(ML/Data Science)**:** NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, Keras, XGBoost, LightGBM, Hugging Face Transformers Machine Learning, Deep Learning, NLP

EDUCATION

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY (IIIT) Bhubaneshwar   **Bhubaneshwar, India**

B.Tech. Information Technology (Computer Science Dept.)