Abhay Sreenath Manikanti

Artificial Intelligence Intern

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Computer Science student with experience in AI, automation, and data-driven process optimization. Skilled at enhancing efficiency and reducing costs, eager to apply technical and strategic expertise to impactful roles in finance and business management.

Work Experience

Artificial Intelligence Intern   Aug 2025 - Present

Fortive

- Developed RPA automation workflows, saving 30+ hours of employee time yearly across multiple teams.
- Built an AI Agent Mentor to support employee training in Kaizen methodology and business principles.
- Created the Nimbus-AI Chatbot for Fluke Corporation, saving 500 hours annually and reducing costs by £35,000.
- Designed machine learning pipelines to analyze and improve workflow efficiency, driving operational excellence.
- Enhanced reporting dashboards with automated insights, reducing manual effort for managers.
- Collaborated with cross-functional teams to integrate AI solutions into existing business systems, ensuring smooth adoption and measurable impact.

Projects

Aegis AI - Fraud Detection System

AI/ML-powered fraud detection system built with **Python (FastAPI, XGBoost – 99.93% accuracy),** powered by **WebSocket** for Live Streaming, and deployed on **Google Cloud Run with Docker**. Features a **Next.js/TypeScript/Tailwind** frontend delivering explainable ML insights, real-time WebSocket transaction streaming, and a polished banking-style dashboard.

AI-Powered Personal Chatbot

- Developed a **dual-backend AI chatbot** leveraging **Gemini AI** with **Perplexity** fallback, built with **Python, FastAPI, and LangChain**, deployed as a **Dockerized** microservice on **Google Cloud Run** for scalable, cloud-native performance.
- Provides **context-aware responses, real-time query handling,** and **automated fallback**, demonstrating end-to-end **AI product development, NLP system design,** and **cloud deployment expertise** applicable to enterprise automation.

Intelligent Resume Screening (UiPath)

Developed a cutting-edge **AI-powered** Robotic Process Automation (RPA) workflow leveraging UiPath Document Understanding to streamline and automate candidate shortlisting. This solution significantly reduces manual screening time, ensures **consistent and unbiased evaluation** by **extracting and summarizing** key candidate data, and justifying each candidate's qualifications for a given role. By integrating advanced AI capabilities, the system enhances accuracy in identifying top talent, enabling **HR teams and recruiters** to focus on strategic decision-making and improving overall hiring quality.

Core Skills

AI/ML Models, RPA, UiPath, Data Visualization, Data Analysis, Azure AI Foundry, Python, Java, C++, JavaScript, SQL, Docker, Git, Pytest, Project Management, Process Optimization, Analytical Thinking, Computer Networks, Communication, Leadership

Education

BMS College of Engineering, Bangalore   Jul 2026
B.Tech Information Science & Engineering
GPA: 7.9/10

Certificates

Advanced Certification in Data Science & AI
IIT Madras
ML & AI Using COVID-19 Data Analysis
IIT Roorkee & Finland Labs

Publications

Ambulance Congestion Control using AI & IoT Devices
IJCRT Journal
www.ijcrt.org/papers/ljCRT2501340.pdf