

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

- Engineered the Nimbus-AI Chatbot for Fluke Corporation, saving 500 employee hours annually and reducing operational costs by £35,000.
- Architected a lead-generation AI agent for Fluke Corporation that automates the processing and prioritization of 1,500+ new leads monthly, with a projected annual revenue impact of over £6 million.
- Developed RPA automation workflows, saving 30+ hours of employee time yearly across multiple teams.
- Built an AI Agent Mentor to support the training of 10000+ employees in Kaizen methodology and business principles.
- Drove operational excellence by designing ML pipelines and automated reporting dashboards, collaborating with cross-functional teams to integrate these AI solutions into core business systems for 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/IJCRT2501340.pdf