YASHWANTH VANAMA

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience in full-stack development. Proven track record of leading teams, delivering scalable solutions, and driving measurable business outcomes such as increasing revenue by $2.4M and cutting operational delays by thousands of hours.

WORK EXPERIENCE

Software Development Engineer | Cognizant Technology Solutions | Jul 2020 – Jul 2023 | Aug 2025 – Present

- Proposed a high-level design for a fit-gap analysis of processes of two organizations and their revenue process and systems. Created a seamless system and process integration proposal, resulting in Cognizant securing a $700K implementation project.
- Built a dynamic B2B quoting interface with React + TypeScript, reducing quote creation time from 10 mins to 6 mins and enabling 500+ quotes/day processing.
- Built an AI-driven product recommendation engine using Python, pandas, scikit-learn, and FP-Growth (from mlxtend) to mine association rules from 100K+ past orders, generating real-time upsell/cross-sell suggestions and increasing average order value by $1,200.
- Developed a Node.js + Express backend to manage pricing workflows and approvals, cutting quote-to-order processing from 3 days to 1 day.
- Created a GPT-powered live chat support agent using LangChain and OpenAI, integrated with support center via Node.js, resolving 2,000+ monthly queries and cutting resolution times from 8 hrs to 4 hrs.
- Optimized database performance by designing and tuning queries in MongoDB and Oracle, reducing average query latency by 35% and improving system throughput to handle 10K+ transactions per minute across enterprise applications.
- Implemented CI/CD pipelines with GitHub Actions and Docker, delivering 20+ releases/year with near-zero rollback incidents.

PROJECTS

AutoCV | Python, Llama 3.1, Ollama, Selenium, LaTeX, LangGraph | May 2025

- Designed and implemented AutoCV, an agentic AI system that autonomously tailors resumes to job descriptions by orchestrating multiple specialized agents.
- Developed a Web Scraper Agent and a Parsing and Keyword Extraction Agent that sends job text to a locally hosted Llama 3.1 LLM on Ollama, leveraging LangGraph for reasoning, planning, and memory management.
- Reduced manual resume tailoring time from 30 minutes to under 2 minutes, enabling rapid, high-volume job applications.

MoveMaster | Python, PyTorch, ChessBench dataset, Transformers, FastAPI | Jun 2024

- Led development of MoveMaster, an AI engine that predicts the optimal next move in a two-player strategy game (chess) by leveraging historical move sequences.
- Fine-tuned a pre-trained transformer architecture inspired by the "ChessFormer" model, adapting its expressive position-aware attention mechanism for accurate next-move prediction.
- Deployed MoveMaster as a FastAPI service, enabling seamless integration with game interfaces for real-time inference.
- Outperformed baseline Minimax rule-based AI by 78%-win rate over 500 simulated matches.

EDUCATION

Indiana University – Bloomington | MS | Aug 2023 - May 2025
Jawaharlal Nehru Technological University Hyderabad | B. Tech | Aug 2016 – May 2020

SKILLS

Languages & Scripting: Python, C, C++, Java, HTML, CSS, JavaScript, TypeScript, SQL
Frameworks & Libraries: React.js, Node.js, Next.js, Express.js, Pandas, Scikit-Learn, PyTorch, TensorFlow, KubeFlow/MLFlow, HuggingFace, LangChain, ADK, AutoGen
Tools & Platforms: Selenium, Docker, GitHub, AWS, Kubernetes, GitHub Copilot, ChatGPT, Claude, Cursor
Methodologies & Concepts: Agile, SDLC, Test Driven Development, System Design, Debugging, DSA