

Himanshu

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EDUCATION

University of Arkansas

Master of Science in Computer Science (Expected)

Fayetteville, AR

August 2024 - May 2026

Virginia Tech

Bachelor of Science in Computer Science

Blacksburg, VA

August 2017 - May 2021

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, SQL, C#, TypeScript

AI/ML: PyTorch, LangChain, OpenAI API, MCP

Frameworks: Angular, NestJS, Express, Meta XR SDK

Tools and Technologies: PowerBI, SQL Server, Node.js, Docker

EXPERIENCE

University Of Arkansas

Data Analyst

August 2024 - Present

Fayetteville, AR

- Designed and developed PowerBI dashboards that eliminated manual processes, including a finance dashboard that replaced Excel-based calculations during unit meetings and a student accountability dashboard providing leadership insights for targeted improvement initiatives
- Established standardized dashboard development processes by creating comprehensive team documentation, leading process standardization efforts, and implementing internal review protocols to ensure consistent quality and maintainability across projects

Dematic Corp.

Software Engineer II

October 2021 - July 2024

Charlotte, NC

- Led end-to-end project delivery for KeHE Foods WCS migration, conducting requirements gathering sessions with stakeholders, designing custom UI solutions, and managing a 2-person engineering team through the complete project lifecycle from planning through virtual testing, coordinating seamless migration from competitor system
- Architected and developed full-stack WCS solutions using Angular, NestJS, .NET 5, and SQL Server, creating custom UI interfaces, stored procedures, and database views to support warehouse operations, including sortation systems, product release mechanisms, and merge control interfaces
- Engineered system integrations and interfaces, including a .NET WCS-WMS file-based integration system with automated file processing, cron job scheduling, and a socket-based weighing device interface with barcode scanning and real-time weight validation
- Customized core WCS modules for enterprise clients (Walgreens, Silver Eagle, KeHE Foods), configuring communication modules, developing Angular-based operator dashboards, and implementing specialized business logic in SQL Server to meet diverse operational requirements
- Managed large-scale deployments across 12+ client sites, including Walgreens multi-site rollout, Silver Eagle implementation, and KeHE Foods migration, leading on-site testing with physical equipment (PLCs, sorters, weighing devices), coordinating rollback procedures, and providing post-deployment monitoring
- Delivered comprehensive training programs to warehouse operatives across multiple client sites, creating documentation and conducting hands-on sessions for custom UI systems and operational workflows

PROJECTS

Danse Macabre – AR Spell-Casting Shooter (Unity + Meta Quest 3)

- Built an immersive AR game using Unity 2022 LTS and Meta XR SDK, implementing gesture-based spell casting with hand tracking, spatially-aware enemy spawning, and real-world occlusion detection
- Developed advanced AR features including plane detection, AI pathfinding, and occlusion-aware rendering, creating an engaging mixed-reality gaming experience with multiple spell types and enemy AI behaviors

AI-Powered Multi-Agent System for Automated Financial Research Reports

- Developed a sophisticated multi-agent AI system using GPT-4 API and LangChain to generate comprehensive financial research reports, implementing specialized agents for planning, data retrieval, synthesis, and verification
- Integrated Financial Datasets API and web search tools with a Streamlit interface, creating an end-to-end automated research pipeline that processes company data and generates detailed Markdown reports