Haneesha Dushara

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EDUCATION

University of Cincinnati | Cincinnati, OH, United States   April 2024

Bachelor of Science, Computer Science   Dean's List (all semesters), GPA 3.9/4.0

SKILLS

- **Programming Languages:** Python, C++, C#, SQL (MySQL, PostgreSQL), Java script(React Js, Vue Js)
- **Frameworks:** LangChain, Pandas, Numpy, TensorFlow, PyTorch , StreamLit, Scikit-learn, Django
- **Tools:** HTML/CSS, Visual Studio Code, Jupyter Notebook, Google Colaboratory, Docker, AWS, Microsoft Azure, Git Bash, Jira, Command Line
- **Key Courses:** Artificial Intelligence, Machine Learning, Cloud Computing, Data Structures & Algorithms, Object Oriented Programming
- **Certifications:** Microsoft Azure AI Fundamentals, IBM Data Science Practitioner, Salesforce Business Administration Specialist

EXPERIENCE

Software Engineer Intern – *Prodigy* [Loveland, OH]   Jan 2023–July 2023
- Engineered an AI chatbot using Retrieval-Augmented Generative (RAG) model, leveraging TensorFlow.js, React Js, Pinecone DB, and Llama2 via LangChain, resulting in 65% improved client matching accuracy, $2M+ in project leads.
- Innovated interactive client data map to visualize 500+ qualified leads with enhanced user interface/user experience (UI/UX) using React Js and Python Django, boosting data-driven decision-making by 25%
- Deployed apps on AWS EC2 with S3 storage integration, reducing infrastructure costs by 15% while improving scalability and accessibility.

Software Engineer Intern – *SHP Leading Design* [Cincinnati, OH]   Jan 2022–May 2022
- Developed 5+ custom plugins using C# .NET, WPF UI/UX with MVVM principles for Autodesk Revit, accelerating project completion by 25%.
- Automated HVAC diffuser placement in Revit, reducing time from a week to a day, saving $10,000/project, delivering a 240x cost saving.
- Devised a script to automate statewide electrical wiring calculations, reducing manual calculation time by 80% and improving project efficiency.
- Integrated QA/QC checks across the architectural team, achieving 95% accuracy in detecting 100+ model errors, enhancing project quality.

Software Engineer Intern – *Emerson* [Elyria, OH]   May 2021–Aug 2021
- Designed & Developed 15+ key features using C#.NET MVC, Entity Framework, Vue Js, Web API, and SQL Server, helping optimize the system improving efficiency by 25%, supporting software lifecycle, demonstrating clear test planning and user support.
- Utilized IntelliJ tools for debugging and testing, GitHub for code review and version control, Azure DevOps for project management, and TeamCity for CI/CD, which streamlined the development process and reduced deployment time by 15%

Software Engineer Intern – *Emerson* [Elyria, OH]   Aug 2020–Dec 2020
- Supported in the migration of 500,000+ records from Salesforce to in-house CRM 360 Insights, enhancing data accessibility and system integration by being involved throughout the entire software development lifecycle (SDLC) using Agile Methodologies for sprint planning
- Collaborated with EMEA stakeholders to gather 50+ business & technical requirements for CRM used by 14,000+ users across multiple regions
- Developed and modified 10+ existing CRM features to align with requirements, resulting in a 30% reduction in processing time.

PROJECTS

AI Webapp to Chat with Your Docs – *ChatDoc* [Python, Streamlit, LangChain, OpenAI, FAISS]   June 2024–Sept 2024
- Developed a Streamlit-based AI chatbot with LangChain and OpenAI, optimizing query processing and reducing response time by 25%.
- Leveraged Facebook AI Similarity Search (FAISS) vector database for efficient text embedding retrieval and enhanced context retention

Webapp for Student Event Planners – *EventReady* [React, Django, Material UI, SQLite, Google Firebase]   Aug 2023–April 2024
- Developed a web application for new event planners in a student organization, using React JS, Material UI, and Django with REST API Framework, increasing event planning efficiency by 40% and reducing planning time by 35%.

Retail Data Dashboard – *KroDash* [Python, HTML, CSS, JavaScript, Heroku, Azure PostgreSQL]   Jan 2024–March 2024
- Developed a Flask-based retail data dashboard deployed on Heroku, processing and analyzing 30,000+ Kroger (Grocery Store) records using Microsoft Azure PostgreSQL and SQLAlchemy.

ACADEMIC ACTIVITIES & LEADERSHIP

Sponsorship Lead – *Hackathon Revolution UC by ACM@UC* [University of Cincinnati]   Aug 2022–April 2024
- Raised $25,000+ for UC's Biggest Student-Led Hackathon Revolution UC that got 700+ students from Midwest Universities

Vice President of Events – *College of Engineering and Applied Sciences Tribunal* [University of Cincinnati]   Jan 2022– April 2024
- Strategized & Executed Events for engineering student government of 7000 students, resulting 15% increase engagement each year

Student Ambassador – *UC International Admissions* [University of Cincinnati]   May 2022– April 2024
- Provided counseling to 2000+ students, to make informed college decisions, demonstrating commitment to student success