

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

UC Global Scholarship Recipient, International Outreach Recipient

Jan 2019–April 2024

SKILLS

- **Programming Languages:** Python, C++, C#, SQL (MySQL, PostgreSQL), HTML5/CSS/JavaScript, React Js, Vue Js
- **Frameworks:** LangChain, Pandas, Numpy, TensorFlow, PyTorch, StreamLit, Scikit-learn, Django, Angular
- **Tools:** Git, 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

- Developed a chatbot using a Retrieval-Augmented Generative (RAG) model with Tensorflow JavaScript, React Js, Pinecone DB, incorporating Llama2 using LangChain, improving client matching accuracy by 65% based on the required criteria
- Innovated interactive client data maps with enhanced user **interface/user experience** (UI/UX) using React JS and Python Django, boosting data-driven decision-making by 25%
- Implemented AWS S3 and EC2 instances, cutting infrastructure costs by 15% while improving scalability and accessibility

Software Engineer Intern - *SHF* [Cincinnati, OH]

Jan 2022–May 2022

- Developed C# .NET custom plugins for Autodesk Revit, achieving seamless integration across teams and 25% early project completion.
- Automated HVAC diffuser placement in Revit, reducing time from a week to a day, saving \$10,000/project, delivering a 240x cost saving.
- Engineered WPF UI/UX plugins, following MVVM principles, which cut maintenance costs by 20%, focusing on effective problem solving.
- Devised a script to automate sitewide electrical wiring calculations, reducing manual calculation time by 80%
- Integrated QA/QC checks across the architectural team, detecting model errors with 95% accuracy

Software Engineer Intern - *Emerson* [Elyria, OH]

May 2021–Aug 2021, Aug 2020–Dec 2020

- Supported in the migration of data from Salesforce to in-house CRM 360 Insights, gaining hands-on experience throughout the entire software development lifecycle (SDLC), including usage of Agile Methodologies for sprint planning
- Designed & developed features using Object Oriented Language C# ASP.NET MVC Entity Framework, HTML5, CSS3, WebAPI and SQL Server, improving efficiency by 25%, supporting software lifecycle, demonstrating clear test planning and user support.
- Collaborated with EMEA stakeholders to gather business & technical requirements, developed & modified features to align with the requirements, resulting in a 30% reduction in processing time.
- Utilized IntelliJ tools for debugging and testing, GitHub for code review, version control, Azure DevOps for project management, and TeamCity for CI/CD, streamlining the development process, cutting deployment time by 15%

PROJECTS

Webapp for Student Event Planners – *EventReady* [React, Django, Material UI, SQLite, Google Firebase]

Aug 2023–Present

- Developed a web application for new event planners in a student organization, utilizing full stack development with React JS, Material UI, and Django with REST API Framework, increasing event planning efficiency by 40%, 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, utilizing Microsoft Azure PostgreSQL and SQLAlchemy for streamlined preparing data, enhancing Kroger data analysis for informed decision-making.

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 attracted 300+ students from Midwest Universities.
- Expanded the scale of the hackathon by 20% each year by leading & supporting the team in securing sponsorships and engaging companies

Student Ambassador - *UC International Admissions* [University of Cincinnati]

May 2022 – April 2024

- Provided counseling to 2000+ students, helping them make informed college decisions, exhibiting effective communication skills.
- Represented UC globally, promoting programs as an International Admissions Office representative.

Vice President of Events – *College of Engineering and Applied Sciences Tribunal* [University of Cincinnati]

Aug 2020 – April 2024

- Strategized & Executed College-Wide Events for the undergraduate engineering student government, catering to 7000 students, resulting in a 15% increase in student engagement each year showcasing my initiative and responsibility.