Rohin Senthil

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EDUCATION

University of Cincinnati, College of Engineering and Applied Science   Class of 2026
Bachelor of Science, Computer Science

WORK EXPERIENCE

Data Engineer Intern, Kroger Technology & Digital, Blue Ash   August 2024- Present
- Developed and mapped new data attributes using Python to align with business requirements, enhancing data usability for key stakeholders
- Conducted quality assurance testing to validate and ensure the accuracy of team members' tasks, maintaining high standards for project deliverables
- Processed large historical datasets in synapse spark notebook with PySpark to match new schema and loaded the data into Data Lake
- Automated regression testing with Python to ensure the reliability and functionality of newly deployed production code
- Developed and deployed attribute filtering strategies to safeguard end-to-end data processing pipelines from disruptions

Application & Data Analysis Co-op, AtriCure, Mason   May 2023 -December 2023
- Identified and established functional requirements in Data Migration Model
- Built centralized data hub to process data from on-premise to cloud-based Azure Service
- Took analysis of data through integration of Power BI and appended results into an interactive report
- Increased team productivity by 23% using efficient agile delivery methods to assist in deploying biweekly developments as an interim scrum master
- Resolved IT technical issues within SQL servers and other departments

SKILLS

Power BI	Python	SQL/KQL	Web Development
Data Analysis	MATLAB	Project Design	Java
Microsoft Office Suite	LabView	C/C++	Microsoft Azure

LEADERSHIP & ENGAGEMENT

Director of Operations, Sparking Lives, Mason   August 2018- Present
- Lead initiatives to build wells for access to clean drinking water in India
- Raise $10,000 from investors and community members to advance company initiatives
- Define ethical policies and solutions for company concerns
- Manage and provide a high standard of leadership and conduct to approximately 100 employees

Team Lead of Land Rover Project, University of Cincinnati, Ohio   August 2022 -December 2022
- Organized team meetings and initiated project design
- Designed and programmed robot to follow different black lines using color sensors and ultrasonic sensors to recognize object in front of robot
- Researched and tested robot to meet required specifications

HONORS AND AWARDS

Presidential Award, Sparking Lives   2019- 2021
Congressional Award, Sparking Lives   2021