

Sahithi Keshireddy

Portfolio

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EDUCATION

- **University of Massachusetts, Dartmouth** Dartmouth, MA, USA
• *Master of Science in Computer and Information Sciences: (GPA: 3.55/4)* May 2025
Relevant Coursework: Database Management System, Data Visualization, Data Mining, Design and Analysis of Algorithms, Advanced Machine Learning, Artificial Intelligence, Neural Network and Deep Learning and Business Intelligence.
- **Malla Reddy University** Hyderabad, India
• *Bachelor of Engineering in Computer Science and Engineering; GPA: 3.60/4* May 2022

SKILLS SUMMARY

- **Languages:** Python, PHP, C++, JavaScript, SQL, Bash, JAVA
- **Frameworks:** Scikit, NLTK, SpaCy, TensorFlow, Keras, Django, Flask, NodeJS, LAMP
- **Tools:** Kubernetes, Docker, GIT, PostgreSQL, MySQL, SQLite
- **Platforms:** Linux, Web, Windows, Arduino, Raspberry, AWS, GCP, Alibaba Cloud, IBM Cloud
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

- **Supply Chain Data Analyst** UMass, Dartmouth
Compass Group, (Part-time) Feb 2024 - May 2025
 - Analyzed procurement and logistics data using SQL, Python, Excel (VLOOKUPS), SAP, and Oracle, reducing supply chain costs by 15% and improving vendor delivery performance by 12%.
 - Automated executive dashboards in Tableau, Power BI, and Excel, cutting reporting time by 30% and enhancing real-time visibility for 300+ locations.
 - Built predictive models with Python and R, integrating data from Snowflake, Alteryx, and Google Analytics to reduce food waste by 25% and accelerate data-driven decisions.
- **Data Analyst Intern** Greensboro, NC
Volvo Group Trucks Technology (Summer Internship) May 2024 - Aug 2024
 - Engineered ETL pipelines with Python, Pandas, SQL, dbt, and Azure Data Factory, improving data reliability and cutting manual processing by 60% for NHTSA audit compliance.
 - Built a dynamic CDS dashboard in Power BI using Power Query, advanced DAX functions, and integrated data sources to visualize certification timelines, production exposure, and compliance gaps, supporting NHTSA audit readiness.
 - Automated extraction of compliance insights from regulatory documents with spaCy NLP and custom Python scripts, delivering 100+ insights weekly to support compliance and risk mitigation.

PROJECTS

- **Vison - multimedia search engine (NLP, Search Engine, Web Crawlers, Multimedia Processing):** (Work in progress) Research oriented, open source, search engine for bringing reverse multimedia search to small & mid scale enterprises. Tech: Python, NodeJS, Intel OpenVino Toolkit, Selenium, TensorFlow (October '18)
- **Reinforcement Learning based Traffic Control System (Reinforcement Learning, Computer Vision):** AI model to resolve city traffic around 50% faster. Tech: Python, Alibaba Cloud, Raspberry Pi, Arduino, SUMO & OpenCV. (August '18)
- **Panorama from Satellite Imagery using Distributed Computing (Distributed Computing, Image Processing):** Images clicked using drones, provided by ISRO were stitched together using distributed public compute nodes, effectively bringing down processing time exponentially. Tech: PHP, C++, Java, Python (March '18)
- **Drag-n-drop machine learning learning environment (Web Development, Machine Learning):** Scratch like tool for implementing machine learning pipelines along with built in tutorial for each concept. Tech: Python, JavaScript (September '18)
- **Search Engine and Social Network(Web Development, Web Crawler, Search):** Created from scratch a social network and a search engine based on the idea of integrating Facebook and Google. The launched website was among top 1000 websites in India during 2012-2013. Tech: PHP, MySQL, HTML, CSS, WebSockets, JavaScript, RSS, XML (May '12)

CERTIFICATIONS ACHIEVEMENTS

Google Data Analytics:

: -2pt AI Infrastructure and Operations Fundamentals by NVIDIA