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EDUCATION

*Bachelor of Science, Computer Science***Spring 2026**

*University of Cincinnati, Cincinnati, OH*

Skills**:** Python, C++, AWS, JavaScript, TensorFlow, PowerBI, Jenkins, Flask, Agile, sklearn, SQL, Matlab, Power Automate

**Interests:** Formula 1, Photography, Judo, UFC

## PROJECTS

Bangalore House Price Prediction Model **July 2023**

* Performed data analysis, feature engineering, dimensionality reduction, outlier detection, and removal using Python and SQL. Visually Represented data using Tableau.
* Created a website and connected the machine learning model to the backend APIs using Flask and JavaScript and hosted the website of AWS using EC2 instance.

**Deep Learning using TensorFlow June 2023**

* Mastered the construction and deployment of convolutional neural networks (CNNs) for computer vision tasks.
* Demonstrating expertise in image processing, classification, object detection, and segmentation using real-world data to drive practical applications.

## EXPERIENCE

Data Analyst **May 2024**  
*Dorf Ketal Energy Services, Houston, Texas*

* Utilized the Arima model in Time Series Analysis using TensorFlow to forecast future sales.
* Implemented Power Automate to create automated approval workflows for expense reimbursements, purchase orders, or vacation requests.
* Developed an ETL pipeline to extract data from various transactional databases, transform it into a standardized format, and load it into a centralized data warehouse, enhancing data accessibility and enabling analytics and reporting initiatives.

Machine Learning Intern  **April 2023**  
*GarudaUAV, Delhi, India*

* Employed deep learning algorithms, specifically utilizing the Yolo v8 framework, to enable object detection and image recognition capabilities for drone-based monitoring systems using scrum methodologies.
* Applied these technologies to monitor and identify the presence of safety equipment on workers, as well as to detect the presence of humans in potentially hazardous locations such as blast areas.
* Collaborated with a team of four individuals to develop a Power BI-based dashboard to present statistical information. Used MLOps to launch on AWS and DevOps tools like Jenkins.
* Proficient in multi-class and multi-label image classification.
* Working on NLP, CNN and Time Series Analysis.

## LEADERSHIP, ACTIVITIES, & SERVICE

Treasurer  **August 2022**

*Hall Government, Stratford Heights, University of Cincinnati*

* Managed finances as Treasurer for 2 consecutive semesters for the Hall government, ensuring transparency and accountability in budgetary matters.
* Spearheaded the establishment of a new dining hall/service option in Stratford Heights, collaborating with Bearcats Pantry and sororities to enhance community engagement and accessibility to resources.

Project Manager **January** **2019**

* *Rotaract, Mumbai, India*
* Orchestrated the execution of 6 projects, including spearheading the installation of public urinals in Dandari village, demonstrating effective leadership and project management skills.
* Garnered the Rotary Youth Leadership Award (RYLA) while leading a 27-member team and fostering collaboration with 12 other teams and local villagers, showcasing exceptional leadership abilities and community engagement.