SNEHA UPPU

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RELEVANT WORK EXPERIENCE

George Washington University   **Washington DC**
Data Support Assistant – GWU Libraries   **January 2025 - Present**
- Examined borrowing requests and circulation records to identify patterns in student demand, helping guide decisions on ordering new books or sourcing from partner libraries.
- Processed and transformed nearly 50,000 rows of Excel data of e-resource usage, applying filtering, aggregation, and lookup functions to highlight usage trends.
- Supported administrative tasks by structuring and validating transaction logs, ensuring accuracy in overdue returns, fines, and book availability records.
- Assisted researchers and staff with organizing, formatting, and storing datasets, improving accessibility and consistency of information.
- Helped design a systematic collection maintenance approach by reviewing usage histories and spotting recurring demand across the library system.

PricewaterhouseCoopers (PWC - AC)   **Bangalore, India**
CRM Data & Analytics Intern   **February 2024 - August 2024**
- Extracted, cleaned, and organized 10,000+ Salesforce CRM records, improving accuracy of client and sales reporting.
- Built and optimized interactive dashboards to monitor lead conversion, pipeline progression, and customer engagement trends.
- Collaborated with cross-functional teams using Jira to track tasks and streamline project workflows.
- Authored 20+ pages of QA documentation with test cases and validation steps, ensuring consistency and reliability in reporting processes.

TECHNICAL PROJECTS

Similar Image Finder
- Extracted image embeddings from 21,000+ Unsplash images using OpenAI's CLIP ViT-B/32 model.
- Implemented K-Nearest Neighbors with cosine similarity to retrieve the top 6 visually similar images for a given query.
- Evaluated system performance on 1,000 image queries, achieving an average similarity score of 0.91.
- Developed the core logic using PyTorch and scikit-learn; visualized results using Matplotlib.

Real Time Object Detection using Python
- Built a real-time object detection system using YOLO and Keras with 85%+ average prediction accuracy.
- Detected and labeled objects via webcam using bounding boxes with live visual output.
- Added speech synthesis in multiple languages to announce detected objects and confidence scores.

TECHNICAL SKILLS

- **Languages:** Java, Python, HTML, CSS, JavaScript, Machine Learning, R Programming, SQL
- **Data Engineering:** ETL, BeautifulSoup(Web Scraping)
- **Data Science:** Pandas, NumPy, Scikit-learn, matplotlib, seaborn
- **Database Systems**: MySQL
- **Tools & Platforms**: Colab, VS Code, Microsoft Excel, Salesforce, Jira, Tableau, PowerBI, MATLAB, APIs, Streamlit
- **Soft Skills:** Team Collaboration, Problem-Solving, Communication (Written and Verbal), Adaptability , Time Management, Leadership

EDUCATION

The George Washington University, School of Engineering & Applied Science   **Washington, DC, USA**
Master of Science in Computer Science   **May 2026**
- Courses: Neural Networks and Deep Learning, Machine Learning, Database Systems II, Cloud Computing, Component-Based Enterprise Software Development
- Honors: SEAS Merit Award.
- GPA: 3.66

Andhra University College of Engineering for Women   **Andhra Pradesh, India**
Bachelor of Technology in Computer Science and Engineering   **April 2024**
GPA: 8.46