SNEHA UPPU

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LinkedIn | GitHub | Portfolio

EDUCATION

The George Washington University, School of Engineering & Applied Science **Washington, DC**
Master of Science in Computer Science. **May 2026**

- Courses: Neural Networks and Deep Learning, Advance Machine Learning, Database Systems II, Cloud Computing.
- Honors: SEAS Merit Award.
- GPA: 3.74.

TECHNICAL SKILLS

- **Programming & Backend**: Python, FastAPI, JavaScript, HTML/CSS, Bootstrap, Jinja.
- **AI & Machine Learning**: PyTorch, OpenAI APIs, CLIP Embeddings, Scikit-Learn.
- **Databases & Cloud**: Google Firebase, Firestore, PostgreSQL, Docker, fly.io.
- **Tools & Frameworks**: Git, Jira, n8n, Tableau, Plotly.

RELEVANT WORK EXPERIENCE

Thaddeus Resource Center **USA**
Data Science Intern **November 2025 - Present**

- Engineered scalable data workflows to consolidate surveys, CRM logs, intake forms, and engagement records into unified analytical datasets spanning thousands of records across multiple programs.
- Streamlined data pipelines by introducing rule-based quality checks, reducing manual reconciliation efforts by nearly 30-40% across recurring reporting cycles, reflecting proactive process optimization.
- Standardized heterogeneous data sources through schema alignment and normalization, ensuring consistent downstream analytics across multiple reporting teams.
- Produced interactive Tableau dashboards connected to curated datasets, enabling teams to track trends and guide operational decisions, facilitating data-driven alignment across stakeholders.

Wavess **USA**
AI Intern **September 2025 - January 2026**

- Architected Python-based extraction systems to collect hiring signals, organizational activity, and market indicators, demonstrating initiative in building scalable data solutions.
- Orchestrated event-driven ingestion mechanisms using Airflow to maintain consistent refresh cycles for large-scale datasets.
- Implemented resilient FastAPI services with structured exception handling to maintain stable data flow, reinforcing system robustness and maintainability.
- Collaborated with product and engineering teams to refine backend workflows and accelerate experimentation cycles supporting rapid feature iteration.

PricewaterhouseCoopers (PwC - AC) **Bangalore, India**
CRM Intern **February 2024 - August 2025**

- Processed large-scale CRM datasets to ensure accuracy, completeness, and analytical readiness, supporting high-quality decision making.
- Coordinated cross-team data workflows through Jira to improve visibility and alignment across operational groups, enhancing collaborative delivery.
- Synthesized analytical outputs and insight summaries to inform strategic planning and guide business decision-making.

TECHNICAL PROJECTS

U.S.Airline On-Time Performance Pipeline **December 2025 - Present**

- Designed a Python-based ingestion framework to collect and structure multi-year U.S. DOT flight data for large-scale analytical use.
- Established scheduled ingestion pipelines using Airflow to ensure consistent refresh of performance metrics and dependable downstream consumption.

FAERS Drug Symptom Safety Analysis **August 2025 - November 2025**

- Constructed scalable processing pipelines to normalize over 18 million FDA adverse event records for downstream analytical use.
- Extracted dose–response and interaction features to enable robust safety and trend evaluation across drug categories.

Similar Image Finder **February 2025 - May 2025**

- Engineered a high-throughput image similarity system leveraging CLIP embeddings to index and retrieve over 21,000 images with high precision.
- Optimized retrieval accuracy through iterative tuning and evaluation of similarity metrics across benchmark datasets.