

Swetha Jagadeesan

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EDUCATION

New York University, MS in Computer Science

Sep. 2023 – May 2025 | New York, USA

Relevant Courses: *Algorithms, Cloud Computing, Big Data, Machine Learning*

GPA: 3.7/4

Anna University - Rajalakshmi Engineering College, B.Tech in IT

Aug. 2018 – June 2022 | Chennai, India

Relevant Courses: *Data Structures, DBMS, Operating Systems*

CGPA: 3.78/4

TECHNICAL SKILLS

Programming: Java, Python, C++, C#, Bash, PHP

Web/Frameworks: React, Node.js, Django, Spring Boot, REST APIs, Microservices, HTML5, CSS3, JavaScript

Cloud/DevOps: AWS (EC2, S3, Lambda, EKS), GCP, Azure, Docker, Kubernetes, Terraform, Jenkins, CI/CD

Databases/Big Data: SQL, PostgreSQL, Oracle, MongoDB, Cassandra, Spark, Kafka

Tools/Libraries: Git, Postman, Pandas, PyTorch, TensorFlow, Selenium

EXPERIENCE

LOCOMeX Inc

New York, USA

Software Engineer | Python, Django, AWS, Selenium, React, DynamoDB

Jan 2024 – Present

- Designed and deployed scalable backend on **AWS EKS (Kubernetes)**, improving IoT asset management productivity by **35%** with multi-pod architecture ensuring high availability and reliability.
- Built **REST APIs** for asset scoring, streamlining data flow and cutting backend processing time by **25%**.
- Automated web data extraction with **Selenium**, reducing manual entry **40%** and boosting accuracy **30%**.

Walmart Global Tech India

Chennai, India

Technology Services Engineer I | Java, Spring Boot, UNIX, Shell Scripting, Python

July 2022 – July 2023

- Worked on a large-scale microservices-based **SpringBoot application** in an Agile environment to resolve production issues, contributing to smoother operations and improved customer experience across 2000+ stores.
- Automated **10+ operational tasks with Python**, cutting manual effort by **50%** and speeding incident resolution.
- Collaborated with cross-functional teams in **Agile** environment to deploy high-impact releases, improving uptime by **40%**.
- Mentored **6 interns**, introducing them to supply chain technologies, team workflows, and best practices, enabling faster ramp-up and contribution to project deliverables.

Software Support Engineer Intern | Tools - Linux, Java SpringBoot, Git, Cassandra

June 2021 – Aug. 2021

- Integrated **Cassandra DB** into backend systems, improving query performance by **40%** & enabling seamless scalability.
- Automated daily SKU file monitoring and storage alerts using **Shell scripting**, ensuring completeness, accuracy, and data integrity across transaction logs for 2000+ stores.

Infotix Techno Solutions

Chennai, India

Front-end Development Intern | Tools - React JS, Node.js

Jan 2021 – Mar 2021

- Developed *HR and Project Management Systems* with **React** and **Node.js**, adhering to WCAG standards and reducing onboarding time by **40%**.
- Built real-time data interaction features and optimized UI/UX, ensuring high reliability and low-latency performance.

PROJECTS

Multi-LLM Integration Platform | [GitHub Link](#) | *Python, React, AWS, Kubernetes, Redis*

Oct 2024 – Dec 2024

- Built a platform integrating multiple **LLMs (ChatGPT, Gemini, Claude)** and custom models, reducing AI response evaluation time by **40%** through side-by-side comparison.
- Architected and deployed scalable backend on **AWS EKS**, leveraging **Redis** for high-speed response caching and inter-service data transfer, supporting 50+ concurrent users with low latency.
- Implemented serverless APIs using **AWS Lambda, API Gateway, and ECS**, ensuring fault-tolerant and cost-efficient multi-model processing.

Deciphering Salary Dynamics | [GitHub Link](#) | *Python, Pandas, NumPy, PyMC*

Oct 2023 – Dec 2023

- Analyzed 10k+ salary records using regression and causal inference models in **Python**, quantifying the impact of education, gender, experience, and age on compensation.
- Identified a **10% salary increase** per additional year of experience, providing data-driven insights for workforce planning and pay equity strategies.

Voice Prescription | [GitHub Link](#) | *Python, NLP, SpeechRecognition, PyAudio*

Oct 2019 – Feb 2020

- Built a Python-based GUI leveraging **NLP, SpeechRecognition, and PyAudio** to convert doctor-patient dialogues into structured prescriptions, reducing manual effort by **60%**.
- Implemented speech-based keyword detection and automated docx/email generation for real-time remote delivery.

LEADERSHIP

New York University : Graduate Teaching Assistant - Algorithms and Data Structures

Jan 2024 – May 2025

- Guided 120 students in Data Structures, providing academic support and fostering problem-solving skills.