

Adithya Srinivasa Ragavan

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EDUCATION

New York University

Sep 2024 – May 2026

Master of Science in Computer Science | GPA: 3.57/4.0

SRM Institute of Science and Technology

Aug 2015 – May 2019

Bachelor of Technology in Computer Science & Engineering

PROFESSIONAL EXPERIENCE

Goodie AI | New York, NY

Feb 2026 – Present

Software Engineer | Python, Django, DRF, WordPress, ClaudeCode

- Migrated 100+ legacy API endpoints from V1 to V2 with Django REST Framework in under 2 months and shipped new V2 APIs for a major product redesign on day-one launch.
- Developed and shipped a WordPress plugin for AI visibility, integrating Goodie's AI discovery workflow into WordPress-based customer sites.
- Built a GA4 analytics integration for deep engagement metrics and automated backfill scripts to migrate historical data cleanly during customer tier transitions.

New York University | New York, NY

Dec 2025 – May 2026

Graduate Research Assistant - HCA Lab | Python, Owlready2, Neo4j

- Built a GraphRAG pipeline over SOC occupational graphs (999 occupations; 110K+ entities); outperformed baseline LLMs on cosine similarity, with strongest gains on complex multi-attribute queries.
- Implemented an Owlready2-Neo4j ontology-aware retrieval layer with multi-index search and context-only grounding, reducing hallucination versus ungrounded LLM baselines.

CEART | New York, NY

May 2025 – Aug 2025

Software Engineer Intern | Python, LLMs, LlamaIndex, Pydantic, React, SerpAPI

- Spearheaded an end-to-end LLM-driven ESG diligence system, cutting analysis turnaround from 3+ days to under 5 minutes.
- Built a proprietary sentiment model that flagged critical "red flags" at 90% accuracy and surfaced adverse data missed by manual review.
- Designed a ~\$0.005/URL asyncio pipeline with >80% SNR and 99.9% Pydantic integrity; shipped a React app for ESG survey ingestion into CEARTScore.

Cambridge Mobile Telematics | Chennai, India

Jan 2021 – Aug 2024

SWE I – TSE II | Python, AWS, SQL, RegEx, Statistics, Agile

- Built a parallel processing Python tool with Pandas and Boto3 analyzing 10M+ daily S3 records and monitoring for 1,000+ reports, cutting RCA time by 90% and holding >90% SLA.
- Scaled a Python-RegEx SDK log parser for Android & iOS, automating RCA and reducing ticket resolution time by 75%.
- Owned 3,000+ Tier-1 tickets at 95% resolution accuracy (15% above SLA) for services with 1M+ users; delivered portal Python/SQL fixes within 48-hour windows.
- Delivered customer-facing feature extensions, provisioning, and deployments on a Rapid Application Development track with dedicated PM intake, shipping within 48-hour turnaround windows.
- Led technical execution for a research collaboration with IIT Madras and the City Transport Corporation — owned data delivery, partner onboarding, and support workflows.

PROJECTS

- **AI-Powered Robotics Code Generation using RAG:** Fine-tuned a BERT-based RAG model on ROS data to automate developer workflows, generating functional Python code with 85% accuracy.
- **SAR Image Enhancement:** Engineered a Dual-Tree Complex Wavelet Transform pipeline for SAR de-speckling, improving PSNR by an average of 3dB.

SKILLS

Languages: Python, C, C++, JavaScript, TypeScript, HTML, CSS, SQL, NoSQL

Cloud: AWS, Google Cloud Platform, Docker, Kubernetes

Databases: MySQL, PostgreSQL, PostGIS, Redis, Firebase, Elasticsearch

Frameworks/Tools/Others: Django, FastAPI, Postman, Hadoop, PySpark, Kafka, Apache HBase, React, Node.js, LangChain, PyTorch, TensorFlow, CI/CD, Statistics

LEADERSHIP & AWARDS

- **Founder & President, SRMR Model UN Society:** Scaled to 50+ members and coached 100+ students in public speaking, research, and technical writing.
- **Rising Star Award, Cambridge Mobile Telematics (2022):** Recognized for exceptional technical contributions.
- 3× Hackathon Winner in the US