Guru Uppala

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EDUCATION

George Mason University   **Fairfax, VA**
Bachelor of Science in Computer Science   *Dec 2025*
Accelerated Master's in Computer Science   *Expected Graduation, May 2027*
- **Honors College Student**
- **GPA:** 3.6, *Dean's List*
- **Related Coursework:** Data Structures, Analysis of Algorithms, Low-Level Programming in C, Operating Systems, Software Engineering (Agile, Scrum, Waterfall), OOP in Java, NLP in Python, Probability+Statistics in R, Data Science using R, Calculus I, II, III, & Linear Algebra

EXPERIENCE

EduVerse | Internship   **Fairfax, VA (Remote)**
SWE Developer   *Jun 2025 - Jul 2025*
- Designed and implemented backend RESTful APIs and data models to support a scalable followers/following system, enabling real-time user interactions.
- Built and optimized React components consuming API-driven data, ensuring accurate and consistent analytics across user profiles.
- Debugged and refactored frontend and backend code to improve performance, maintainability, and user experience.

Glocal | Internship   **Fairfax, VA (Remote)**
AI & Marketing Intern   *Aug 2023 - Apr 2024*
- Collaborated with the AI team to generate and refine chatbot questions, improving user engagement and interaction quality.
- Assisted in training and fine-tuning machine learning models to improve the chatbot's performance.
- Researched Web Scraping techniques to gather data for market analysis.

PROJECTS

Personalized RAG System | Python, LangChain, ChromaDB
- Built a Retrieval Augmented (RAG) system leveraging LLMs, embeddings, and vector database to generate answers from structured and unstructured documents.
- Designed prompt workflows and ingestion pipelines for PDFs and notes, enabling accurate and explainable AI responses.

Real-Time Chat App | MongoDB, Express, React, Node.js
- Developed a full-stack real-time messaging platform using REST APIs and WebSockets.
- Designed scalable backend services to manage conversations, users, and message history.

CitationConverter | Python, LLM
- Developed and integrated an LLM-powered Citation Converter Chat Bot into Google Scholar AI, allowing seamless and accurate conversions of academic citations between formats (e.g., MLA to APA) using OpenAI GPT models.
- Designed a custom plugin for Gentopia Mason using a modular architecture and advanced prompts to handle diverse citation formats and edge cases.

ACTIVITIES AND LEADERSHIP

South Indian Student Association of George Mason University   **Fairfax, VA**
President   *Aug 2023 – Apr 2025*
- Led and organized cultural events and activities for 500+ members, fostering community engagement and cultural awareness.
- Managed budget and resources, ensuring successful event executions with various external stakeholders.

SKILLS & Certifications

Languages: Java (JUnit), Python (Scraping, NLP), HTML/CSS, React, JavaScript, C, & R (Data Analysis)
Tools: GitHub/Git, Visual Studio Code, IntelliJ, Apache JMeter, MS Office, Postman
Certifications: AWS Cloud Practitioner, Microsoft Azure AI 900 & CodePath Intermediate Interview Technical Prep