

# Ishan Vepa

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## EDUCATION

### Georgia Institute of Technology

*Master of Science in Computer Science: Artificial Intelligence*

Atlanta, GA

*Expected Dec 2026*

### Georgia Institute of Technology

*Bachelor of Science in Computer Science*

Atlanta, GA

*Expected Dec 2025*

GPA: 3.68 – Dean's List, Sidney Goldin Scholarship Recipient

- *Relevant Coursework:* Data Structures & Algorithms, Object-Oriented Programming, User-Interface Design

## EXPERIENCE

### Software Engineer Intern

Jun 2025 – Aug 2025

*SitScape*

*McLean, VA*

- Engineered a “**Generative UI**” system with a **multi-agent LangGraph/LangChain ReAct AI** architecture in Python that automates front-end UI and event handling, reducing developer **build time by 75%**
- Shipped a no-code **RAG API**, enabling **10+ Fortune 500 clients** to deploy **LLM-powered chat** in production
- Authored comprehensive documentation on both services for use by team of **30+ developers**
- **Skills:** Python, LangGraph, LangChain, Flask, JavaScript, SQL, OpenAI API

### Undergraduate Research Assistant, Software Development

Aug 2024 – Present

*Georgia Tech Sonification Lab and Design Studio*

*Atlanta, GA*

- Built data visualization features with D3.js and Highcharts, enabling accessible climate communication dashboards tailored to **5+ accessibility profiles** (e.g., colorblind, low-vision, screen reader users)
- Implemented a JavaScript **ETL pipeline** to process **2,000+ geospatial entries** of hurricane and climate data
- **Skills:** Python, Pandas, Javascript, Highcharts API, D3.js, GeoJSON, HTML, CSS, Figma

### Augmented Reality Software Development Extern

Sep 2024 – Nov 2024

*Snap Inc.*

*Remote*

- Developed **3+ dynamic 2D/3D AR filters** in Snap Lens Studio themed around Premier League Soccer
- Increased user retention from **5 to 15 seconds** leveraging the Lens Scripting API for sentiment-driven effects
- **Skills:** Javascript, Figma, Snap AR Lens Studio

### Software Engineer Intern

May 2024 – Aug 2024

*Datamaxx Group*

*Tallahassee, FL*

- Reduced user identity verification time by **67% (1 min to 20s)** by developing an automated ID parsing and user face verification service in ASP.NET with AWS Textract and Rekognition API
- Enhanced user security screening efficiency for **100+ vendors** by implementing a QR code visitor check-in system
- **Skills:** C#, ASP.NET MVC, jQuery, HTML, CSS, SQL, AWS API

## PROJECTS

### Dryft Notes | *React Native, Python, Scikit-Learn, LangChain FAISS, Supabase, Flask, OpenAI API*

- Built a cross-platform (Web/iOS/Android) note-taking app that visualizes user notes in an interactive network graph using clustering (**TF-IDF + KMeans**) and vector embeddings
- Designed an agentic note cluster summarization feature using OpenAI API to generate concise overviews

### Multi-Agent AI Email Assistant | *Next.js, Flask, Python, LangGraph, LangChain, OpenAI API, Google API*

- Built **4 ReAct subagents** and a **supervisor agent** to triage inbox, reducing email processing time spent by **74%**
- Cut manual follow-up time by **60%** by drafting context-aware responses and prioritizing incoming emails

### AI Academic Search Engine | *Next.js, React.js, Python, LangChain FAISS, BART, PERT, Flask, Pandas*

- Engineered a **RAG pipeline** that enables semantic search in **< 2s per query** for academic research papers
- Enabled vector search for **200M+ abstracts**, designing **10+ REST** endpoints for query processing

## TECHNICAL SKILLS

**Languages:** Java, Python, C#, C, JavaScript, SQL, MySQL, HTML, CSS, TypeScript

**Technologies:** React.js, React Native, Next.js, Flask, Scikit-Learn, ASP.NET, Pandas, LangChain, JUnit, jQuery, D3.js

**Developer Tools:** Git, Docker, Visual Studio, Android Studio, AWS Amplify, Accurev SCM

**Creative/Visualization Tools:** Figma, Adobe Photoshop, Tableau