

# 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

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

## EXPERIENCE

### Software Engineer Intern

June 2025 – Present

*SitScape*

*McLean, VA*

- Developing **multi-agent AI pipeline** to automate no-code full-stack app development for Fortune 500 clients
- **Skills:** Python, LangGraph, LangChain, Javascript, SQL

### Undergraduate Research Assistant, Software Development

Aug 2024 – Present

*Georgia Tech Sonification Lab and Design Studio*

*Atlanta, GA*

- Partnered with Highcharts through sponsored research, leveraging hurricane data to improve comprehension of climate communications across **5+ accessibility profiles** and high-risk populations
- Implemented a JavaScript-based **ETL pipeline** to process **2,000+ data points** of hurricane and climate data
- **Skills:** Python, Pandas, Javascript, Highcharts API, GeoJSON, HTML, CSS, Figma

### Augmented Reality Software Development Extern

Sep 2024 – Nov 2024

*Snap Inc.*

*Remote*

- Developed **3+ dynamic 2D/3D AR filters** themed around Premier League Soccer using Snap Lens Studio
- 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 Engineering Intern

May 2024 – Aug 2024

*Datamaxx Group*

*Tallahassee, FL*

- Reduced user identity verification time from **1 minute to 20 seconds**, 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
- Authored comprehensive documentation on both services for use by team of **20+ developers**
- **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 note-taking app that visualizes user notes in an interactive network graph using clustering (**TF-IDF + KMeans**) and vector embeddings
- Designed **REST API** in Flask to handle user authentication and dynamic embedding updates in vector database
- Implemented **LLM-assisted** input with AI-powered tagging and summarization to scale graph insights

### 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%**
- Reduced 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 scalable **RAG** pipeline that ingests papers via academic journal APIs into FAISS vectorstore
- 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

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