Ishan Vepa

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Master of Science in Computer Science: Artificial Intelligence   *Expected Dec 2026*
Georgia Institute of Technology   Atlanta, GA
Bachelor of Science in Computer Science   *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 ReAct AI** architecture that automates front-end UI and event handling, reducing developer **build time by 75%**
- Developed a no-code **RAG API**, enabling **10+ Fortune 500 clients** to use **LLM-powered chat** in production
- **Skills**: Python, LangGraph, LangChain, Flask, 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
- 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