Ishan Vepa

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Bachelor of Science in Computer Science   *Expected May 2026*
GPA: 3.52 – Dean's List, Sidney Goldin Scholarship Recipient

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

University of Oxford   Oxford, UK
Study Abroad Program in Computer Science Ethics and Psychology   *May 2023 – Aug 2023*

- *Capstone Project*: Artificial Intelligence's Impact on Media Production

EXPERIENCE

Undergraduate Research Assistant   Aug 2024 – Present
Georgia Tech Sonification Lab and Design Studio   *Atlanta, GA*

- Leveraging NOAA climate data to develop climate data visualizations enhancing accessibility and inclusivity
- **Skills**: Javascript, Figma

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, jQuery, HTML, CSS, SQL, AWS API

Undergraduate Researcher, Data Analytics Team Leader   Aug 2023 – Dec 2024
Georgia Tech Vertically Integrated Project   *Atlanta, GA*

- Refactored sponsor funding allocation for principal investigators by parsing CSV data into Tableau dashboards to accommodate **$1.3 billion** in annual research
- Streamlined access to InfoReady guides through designing app to facilitate **80+ research administrators**
- **Skills**: Figma, Excel, Tableau

Founder, Director of Post-Production, Web-Development   Jul 2019 – Aug 2022
Generation Z Media   *Tallahassee, FL*

- Developed website/blog with **500,000+ impressions** and **5% CTR** in 1 year by optimizing sitemaps and SEO
- Initiated and managed **25 producers** across **4 state chapters** (Florida, Connecticut, Michigan, Oregon)
- Produced documentaries featured in local press: Tallahassee Democrat, Tallahassee Magazine
- **Skills**: HTML, CSS, JavaScript, Figma

PROJECTS

Market Maven: Detailed Stock Analysis App | *React Native, TypeScript, Python, Flask*

- Quantifies stock valuation into **"Maven Score"** by analyzing social sentiment, ESG data, and technical indicators
- Utilized Bavest **Rest API** to retrieve and process stock price history and market news relevant to price changes

Dungeon Crawler Android Game | *Java, Android Studio*

- Created a "Luigi's Mansion"-themed dungeon crawler Android game using Java and MVVM architecture

Computational Analysis of Contemporary Music | *Python, BeautifulSoup*

- Web-scraped **100+ songs** from the Billboard Hot 100 over **10 years**, analyzing trends in pop music
- Processed **340+ data points** in spreadsheets using Python (BeautifulSoup, urllib, openpyxl) to generate insights
- Provided data-driven results in research paper: "Why do people enjoy music?"

TECHNICAL SKILLS

Languages: Java, C, C#, Python, JavaScript, SQL, HTML, CSS, TypeScript
Technologies: ASP.NET, React.js, React Native, Next.js, jQuery, Rest API, Flask, BeautifulSoup, JUnit
Developer Tools: Git, Visual Studio, Android Studio, AWS Amplify, Accurev SCM
Design/Visualization Tools: Figma, Adobe Photoshop, Tableau