

# UPAMANYU (UPI) SHANKER

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## EDUCATION

**Florida State University**

***Bachelor of Science in Computer Science, Minor in Mathematics***

GPA: 3.5

**Anticipated May 2028**

Relevant Coursework: Introduction to Programming in C++/UNIX, Data Structures and Algorithms I & II, Computer Organization I, Advanced Programming with Java, Databases

## SKILLS AND CERTIFICATIONS

**Certifications:** Github Foundations - Github | Artificial Intelligences Fundamentals – IBM | Data Fundamentals – IBM

**Technical Skills:** Python, SQL, Java, JavaScript, C, C++, AWS, HTML, CSS, Data Analytics, Microservices, Tableau, PowerBI, PostgreSQL, Unix, Git, Figma, UI/UX Design, Typescript, REST APIs, Natural Language Processing, Machine Learning & AI, Cloud, Agile (Scrum), React, Node

**Soft Skills:** Collaboration, Communication, Customer Service, Problem Solving, Organization, Analytical Thinking

## WORK EXPERIENCE

**St. Jude Children’s Research Hospital – *Analytic Services Intern***; Memphis, TN

**Jun. 2025 – Present**

- Designed and delivered data-driven reports by querying the Epic EHR system to improve decision-making
- Trained a custom AI model that transforms natural language prompts into visual dashboards, reducing manual reporting time by 43%
- Performed exploratory data analysis, automating workflows using Python and SQL to enhance reporting accuracy

**Commerce Hive, LLC – *Software Engineer Intern***; Remote

**Feb. 2025 – Jun. 2025**

- Developed modular and accessible front-end components using TypeScript and Next.js, enhancing user workflows
- Integrated RESTful API endpoints to fetch and update inventory data, implementing robust error handling
- Optimized front-end performance, reducing initial page load time by 52% through dynamic imports, image optimization, and caching strategies

**Voxel Labs, LLC – *Front-End Web Developer***; Remote

**Feb. 2025 - Present**

- Developed a user-friendly website using HTML, CSS, and JavaScript, ensuring responsiveness across devices
- Integrated interactive elements such as form validation and real-time updates using JavaScript
- Deployed and secured the website with AWS services, leveraging Lambda, S3, CloudFront, S3, and more

## PROJECTS

**GradeHub** (Java, PostgreSQL, REST APIs, Next.js, Typescript, Supabase)

**May 2025 - Present**

- Developing an application for grade management using PostgreSQL and Spring Boot (Java) for the backend
- Designed and implemented RESTful APIs to support seamless user authentication and course management
- Currently building an interactive, responsive frontend with Next.js, enabling seamless user experiences

**Interactive FSU Crime Map** (Python: pandas, googlemaps, folium)

**Mar. 2025**

- Engineered a data pipeline to extract, clean, and process crime data from FSU’s crime website using Python
- Developed interactive map that visualizes campus crime incidents, integrating geocoding and mapping libraries
- Deployed the interactive crime map as a static web application on GitHub Pages, ensuring easy public access

## LEADERSHIP EXPERIENCE

**Association for Computing Machinery FSU Chapter – *Webmaster***

**August 2025 – May 2026**

- Managing and maintaining the ACM chapter’s website, ensuring up-to-date event information and resources
- Collaborating with executive board members to promote technical workshops and networking events

**CompNeuroSociety at FSU – *Vice President & Webmaster***

**May 2025 - Present**

- Oversaw society operations and strategic planning as Vice President, coordinating meetings and events
- Designed, developed, and maintained the organization’s website, integrating 3D visualizations and interactivity
- Optimized website performance and accessibility for better navigation and mobile compatibility.