

Pranit Dodda

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EDUCATION:

Georgia Institute of Technology, Atlanta, GA

Bachelor of Science in Computer Science GPA: 3.84

Master's of Science in Computer Science specialized in Interactive Intelligence

Anticipated Graduation: May 2025

Classes: Data Structures and Algorithms, Database Systems, Design & Analysis of Algorithms, Linear Algebra, Computer Graphics, Computer Organization & Programming, Data Input & Manipulation, Information-Security, Objects & Design, InfoVis

Technische Universität Berlin (Georgia Tech Berlin Study Abroad) GPA: 4.0

May 2022 - July 2022

EXPERIENCE:

Undergraduate Researcher for VisualizaXiong Lab

January 2024 - PRESENT

- Contributing to ongoing research under Dr. Cindy Xiong Bearfield, examining visual complexity across visualization types
- Collaborating on the development and implementation of a taxonomy-based framework to analyze visual complexity

Software Engineer Intern @ AT&T

June 2023 - August 2023

- Deployed an efficient bot platform using **Microsoft Bot Framework** for **MS Azure** and **TypeScript**, enabling alerts to be delivered to 20+ employees within the Performance Engineering Group regarding critical inconsistencies in system CPU usage.
- Led the creation of a patent-pending AI-powered Wi-Fi usage portal using the MongoDB, Express.js, React.js, Node.js (**MERN stack**) as part of Intern Innovation Challenge, providing valuable user insights for targeted marketing purposes.

Tech Team Software Developer @ Hexlabs Inc.

May 2022-PRESENT

- Architected and developed a team formation page using the **MERN stack** for HackGT hackathon, facilitating seamless collaboration and allowing for the formation of over 600 teams
- Implemented a prizes website using the **MERN stack**, enabling over 1500 participants to redeem accumulated points for items, enhancing engagement and motivation throughout the hackathon

Data Integration Engineer for FourFourBeat Project

January 2022 - May 2023

- Implemented Georgia Tech's archive of over 900 hip hop records into algorithm and system control for API
- Transformed Omeka website to new website using **MERN stack** and created API for flexibility and data visualization

Software Engineer Intern @ Walmart Global Tech

January 2021 - May 2021

- Innovated supply order management processes by developing a barcode generator using **Java and Spring Boot** for testing global trade item numbers (GTINs) and integrating it into an API using **Insomnia** and Spring Boot, resulting in a 15% increase in accuracy of product identification, streamlined operations, and enhanced user accessibility

PROJECTS:

COVID-19 Susceptibility: Health Factors Study

August 2022- December 2022

- Performed data analysis and preprocessing on three prominent COVID-19 susceptibility datasets, encompassing various health factors like obesity and smoking, using **Pandas**, **Numpy**, and **BeautifulSoup**, leveraging **REST API** requests for data retrieval
- Produced insightful data visualizations using **Plotly**, **Matplotlib**, and **Seaborn** after thorough cleaning and analysis.

Campus Discovery

August 2022 - December 2022

- Created campus discovery tool with **TypeScript**, **Next.js**, and **CSS** for intuitive event exploration among GT students
- Utilized **MongoDB** for a robust backend, empowering organizations to post and manage campus events

SKILLS:

Programming- Javascript, Typescript, Java, Python, SQL, HTML/CSS, Golang, C#, Swift, C++, LC-3 Assembly, C

Frameworks- React, Mongo, Express, Node.js, Next.js, GraphQL, MS Bot Framework, Spring Boot, Pandas, Numpy, RESTful API

Tools- Git, MS Azure, MySQL, MongoDB, Docker, Unity, JIRA, Scrum, Cassandra, Framer Motion, Insomnia, Postman, ARKit

Related Skills- Relational Databases, Data Structures, API Development, Agile Methodology, Communication, Teamwork