

PRISHA SHETH

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Education

Georgia Institute of Technology

Masters in Computer Science (with ML concentration); GPA: 3.85/4.0

January 2023 – December 2024

Atlanta, GA

Georgia Institute of Technology

Bachelor of Science in Computer Science; GPA: 3.9/4.0

August 2020 – December 2023

Atlanta, GA

Relevant Coursework

Data Structures, Object-Oriented Programming, Algorithms Analysis, Systems and Networks, AI, Linear Algebra, Information Security, Databases, Machine Learning, Computer Vision, Big Data

Experience

Amazon

Software Development Engineer Intern

May 2024 – August 2024

New York City, NY

- Transitioned big-data pipelines to theta sketch framework mitigating scaling issues caused by increasing data volumes
- Proposed and implemented optimizations to reduced the computational cost of running the pipelines by 31%
- Conducted error analysis to determine optimal sketch configurations to achieve a balance between cost and accuracy

Intel Corporation

Software Engineer Intern

May 2023 – August 2023

Bellevue, WA

- Implemented driver submission to Microsoft Dev Center, enabling comprehensive end-to-end testing in development
- Streamlined driver management with SAS URL acquisition, file upload, and driver retrieval from Windows Dev Center
- Enhanced security with OAuth 2.0 and JWT, ensuring robust authentication to reduce submission errors by 20%

Intel Corporation

Software Engineer Intern

May 2022 – August 2022

Folsom, CA

- Developed a WebApp using ASP.NET MVC in C#, facilitating source/media file backup
- Modernized the Dashboard with React.js, enhancing user experience resulting in an increase in user engagement
- Leveraged ASP.NET Web API for efficient data extraction from the DevOps Database via RESTful endpoints
- Optimized performance with caching and lazy loading, achieving faster data loading and resource conservation

College of Computing - Georgia Institute of Technology

Graduate Teaching Assistant

December 2021 – Present

Atlanta, GA

- Teaching Assistant for the Graduate Algorithms course. Led weekly recitations to reinforce concepts, provided help desk hours every week, developed and compiled assignments and solutions, and graded exams to assess student performance

Georgia Tech Research Institute

Researcher - Under Prof. Lew Lefton

August 2021 – May 2023

Atlanta, GA

- Curated extensive data-sets for Georgia Tech's course registration, enabling comprehensive analysis
- Designed dynamic Tableau dashboards, fostering data-driven decisions, increasing registration efficiency by 15%
- Translated dashboard wireframes into a React WebApp with Tableau V3 API integration for enhanced functionality

Projects

Recipe Generating Machine Learning Model | Python, Pandas, Numpy, Kaggle

- Trained a machine learning algorithm using LSTM neural networks, Naive Bayes, and neural net classification to personalize recipes based on users' preferences and available ingredients, achieving a 77% accuracy rate

Algorithm Path Visualizer | React.js, JavaScript, HTML/CSS

- Created an interactive React-based Algorithm Visualizer to illustrate popular algorithms like Dijkstra's and BFS, enhancing users' comprehension of fundamental algorithm concepts through visual demonstrations

Mobile App Development | Java, Android Studio

- Developed a Mobile Application for a Tower Defense Game in an agile environment using Android Studio and Git for source control, with 3 levels of difficulty, enemy attack functionality, and tower purchase options with 7000 lines of code

Technical Skills

Languages: Java, Python, C, C#, HTML, CSS, JavaScript, SQL, Node.js, Assembly, Scala, Apache Spark

Developer Tools: AWS, Microsoft Office, Tableau, Microsoft Azure, Android Studio

Leadership / Activities/ Community Service

Python Course: Taught Python course to 50+ beginners, predominantly females, inspiring interest in coding and STEM.

Vice-President of the Student Council: Collaborated with student council and faculty, improving discipline and morale.