

# PRISHA SHETH

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## Education

### Georgia Institute of Technology

January 2023 – December 2024

*Masters in Computer Science (Concentration: Machine Learning); GPA: 3.85/4.0*

Atlanta, GA

### Georgia Institute of Technology

August 2020 – December 2023

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

Atlanta, GA

## Technical Skills

**Languages:** Python, Java, C, C#, HTML, CSS, JavaScript, MySQL, Assembly, Scala

**Frameworks/Libraries:** Node.js, React.js, D3.js, JUnits, ASP.NET, Pandas, NumPy, PyTorch, TensorFlow

**Tools & Technologies:** AWS, Git, Microsoft Azure, Tableau, Figma, Apache Spark, OAuth, Docker, Elastic Map Reduce

## Professional Experience

### Amazon

May 2025 – Present

*Software Development Engineer*

New York City, NY

- Developing scalable data infrastructure and analytics tools for the Insights and Analytics team at Amazon Ads. Building systems that transform advertising data into actionable insights to support advertisers.

### College of Computing - Georgia Institute of Technology

December 2021 – May 2025

*Graduate Teaching Assistant*

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

### Amazon

May 2024 – August 2024

*Software Development Engineer Intern*

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

May 2023 – August 2023

*Software Engineer Intern*

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

May 2022 – August 2022

*Software Engineer Intern*

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

### Georgia Tech Research Institute

August 2021 – May 2023

*Researcher - Under Prof. Lew Lefton*

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

**Music Recommendation from Dialogues** | Python, PyTorch, HuggingFace, Pandas, NumPy, TensorFlow

- Built a model to recommend music based on dialogue emotions using triplet loss and fine-tuned BERT and ResNet18

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

- Trained an ML model using LSTM, Naive Bayes, and neural networks to personalize recipes, achieving 77% accuracy

**Mobile App Development** | Java, Android Studio, JUnits

- Developed a Tower Defense mobile app with 3 difficulty levels, using Git for version control and 7000 lines of code

## 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