

Prisha Sheth

Linkedin: <https://www.linkedin.com/in/prisha-sheth-bba3a5180/>

Portfolio: <https://prishasheth.github.io>

Email : psheth32@gatech.edu

Mobile : +1-470-343-5133

EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Bachelors in Computer Science; GPA: 3.90/4.00 Aug 2020 - May 2024
- **R.B.K. International Academy** Mumbai, India
Internation Baccalaureate Diploma Program Aug 2008 - May 2020

SKILLS SUMMARY

- **Software Programming Languages:** Java, Python, C, C#, HTML, CSS, JavaScript, Node.js, Assembly (LC-2199)
- **Software/Cloud Technologies:** Microsoft Office, Tableau, SQL, Microsoft Azure
- **Hardware Skills:** AutoCAD and SOLIDWORKS
- **Relevant Coursework:** Object Oriented Programming, Data Structures and Algorithms, Linear Algebra, Discrete Mathematics, Algorithms Analysis, Computer Organizations and Programming, Systems and Networks, Intro to AI, Combinatorics, Information Security, Advanced Databases, Machine Learning, Cognitive Science

EXPERIENCE

- **Intel Corporation** Bellevue, WA
Software Engineering Intern May 2023 - Present
 - Engineering and developing a Pre-Production Driving Service to emulate the Intel Clients driver upload process to Microsoft, facilitating the signing of drivers for testing and validation. Implementing functionalities such as obtaining SAS URLs, triggering file uploads, and retrieving signed drivers from the Windows Dev Center.
- **Intel Corporation** Folsom, CA
Software Design Engineer Intern May 2022 - August 2022
 - Engineered and managed a Web Application, used by the MTC DevOps team to back up source/media files transferred from Microsoft, using the ASP.NET MVC pattern in C#.
 - Modernized the Dashboard by using technologies such as Figma and Miro to build wire-frames that would facilitate the process of creating clean, consolidated and refined interfaces.
 - Analyzed the Master MTC DevOps database to extract useful data for the Dashboard by making API calls to the API.
 - Enhanced the page significantly by adding features such as internal path searches and filters to cater to the needs of the user. Implemented technologies such as lazy loading to access API data quicker and more efficiently to improve run times.
- **College of Computing - Georgia Institute of Technology** Atlanta, GA
Teaching Assistant - Prof. Ronnie Howard December 2021 - Present
 - Undergraduate teaching assistant for the Intro to Discrete Math Computer Science course. Taught weekly recitations, conducted 3 hours of help desk per week, formulated and compiled weekly assignments and solutions, and graded examinations.
- **IIT Bombay** Mumbai, India
Technical Intern - Under Dr Neeta Kanekar June 2019 - July 2019
 - Designed and implemented a one-stop-shop web page using HTML, Javascript, and CSS for the Movement Neuroscience and Rehabilitation Technology lab, educating the viewers on the extensive research conducted by the lab in the field of motor control and motor learning. Did this by collating multiple resources and bringing it all to one centralized location to increase awareness resulting in more research and job opportunities for the students at IIT Bombay.
- **Motion Drivetrionics** Mumbai, India
Design Intern June 2018 - July 2018
 - Designed stepper motors, synchronous motors, gearheads, and motor parts, in collaboration with the design organization, using AutoCAD and SOLIDWORKS. This led to enhanced performance of the motors and thus enabled lower turnaround time for the manufacturing process by 30%.

PERSONAL ACADEMIC PROJECTS

- **Recipe Generating Machine Learning Model:** Trained a machine learning algorithm utilizing LSTM neural networks, Naive Bayes, and neural net classification algorithms to generate personalized recipes for users based on their favorite foods and available ingredients. Leveraged multiple datasets to enhance the algorithm's accuracy and effectiveness. Demonstrated expertise in machine learning, natural language processing, and recommendation systems.
- **Getting to Know U(Vertically Integrated Project):** Curated large volumes of data collected by the Georgia Tech Research Institution and higher education institutions and developed dashboards and other tools using Tableau that enable users and decision makers to analyse, understand, and act on that data. This resulted in making research data on campus 35% more efficient, accessible and user-friendly for staff members who want to extract filtered college data.
- **Algorithm Path Visualizer:** Built an interactive and educational Algorithm Visualizer on React, allowing users to visualize popular algorithms such as Dijkstra's algorithm and BFS in action. Improved individuals' understanding of key algorithm concepts and mechanisms through visual representations.
- **Mobile App Development:** Developed and designed a mobile application for a tower defence game using Android Studio, incorporating three levels of difficulty, enemy attack functionality, tower purchasing options, and intuitive game design.
- **Game Boy Advance:** Developed an interactive C program for the Game Boy Advance emulator, showcasing expertise in low-level programming in C. Utilized techniques such as accessing hard-coded memory addresses and optimizing performance through DMA to create a high-quality gaming experience.
- **Masterclass at CERN (European Organization for Nuclear Research):** Attended in a particle physics summer program and attended lectures taught by Nobel Laureates and professors at CERN revolving around several fields in the subject including applications of particle physics in medicine and the current undergoing projects at the facility.

LEADERSHIP, ACTIVITIES, AND COMMUNITY SERVICE

- **Python for Beginners:** Developed and taught a Python course for beginners, reaching over 50 students, with a majority being female. This initiative helped inspire the next generation of engineers and STEM candidates by sparking their interest in coding.
- **Vice-President of the Student Council:** Collaborated with fellow student council and faculty members to make informed school decisions and set a positive example through behaviour and adhering to expected norms. This led to increased discipline, decorum, and student morale.
- **Google Developers Student Club:** Actively involved in DSCGT, developing skills through workshops and collaborative projects. Created impactful solutions for local businesses, including data analysis and app development. Strengthened technical expertise, problem-solving, and teamwork in a hands-on, peer-to-peer learning environment.