

Pratyusha Karnati

<https://linkedin.com/in/gargi-pratyusha-k-470945137/> • <https://github.com/gkarnati3> • 678-790-5642 • gkarnati3@gatech.edu

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Candidate for Bachelor of Science in Computer Science and Engineering | GPA: 3.64/4.0

Aug 2017 – May 2021

Relevant Coursework: Objects and Design; Data Structures and Algorithms; Applied Combinatorics; Discrete Mathematics; Introduction to Object-Oriented Programming; Programming in Java

Gainesville High School

Gainesville, GA

GPA: 4.26/4.0 | Rank: 1 out of 388

Aug 2013 – May 2017

SKILLS/ACTIVITIES

Skills: Java, HTML, CSS, TypeScript, Ember, Swift, JavaScript, Microsoft Office, Adobe Photoshop, Adobe Flash Professional, mobile app development (android), C++, Arduino C, Python, CLion, Git

Activities: Society of Women Engineers, Georgia Tech Bhangra, India Club, Student Alumni Association

EXPERIENCE

Explore Intern on Windows NeXT

Seattle, WA

Microsoft

Present

- Created a feature that allows users to mix and match 3D models from Remix3D by giving them the ability to extract textures from preselected textures, their own style images, or even from other models and then applying it to a 3D model of their choice

Undergraduate Student Researcher

Atlanta, GA

Contextual Computing Group/UbiComp Lab, School of Interactive Computing

Jan 2017– May 2018

- Update Thad Starner's HWD exhibit through the study of virtual reality properties such as field of view, line of sight, comfort of off-center HWD; social use of HWD such as teleprompter eyes, presence of camera, etc.

Undergraduate Student Researcher

Atlanta, GA

TanDEm Lab, School of Interactive Computing

Jan 2017– May 2018

- Technology for wellness: use of virtual reality to increase mental strength – design, program, and research different causes of stress and how to tackle these through different modes of technology, find ways to democratize technology

Georgia Tech College of Computing

Atlanta, GA

Technology Services Organization -- Student Assistant

Aug 2017– May 2018

- Assist students and faculty members with instant hardware and software support

Grand Challenges Program

Atlanta, GA

DeciBand Project

Aug 2017 – Present

- Devising a bracelet which detects the volume of sounds in the surroundings and returns a vibration to allow people with hearing impairments to effectively interact with their soundscape while maintaining their cultural identity

Spiralyze

Atlanta, GA

Summer Software Development Intern

Jun 2017 - Aug 2017

- Used A/B testing to optimize the company's website to help generate more traffic and revenue by updating company websites and by designing new templates for the webpages

Tutoring Business (Math Tutor, May 2015 – August 2017)

Suwanee, GA

- Created a math tutoring business for elementary and middle school children to help either eliminate summer learning loss, help them in current coursework, or help them get ahead of their current curriculum

Robotics

Gainesville/Atlanta, GA

RoboJackets RoboCup, VEX Robotics

Aug 2011 – Jan 2018

- RoboCup: Implement new plays and tactics for existing software to maximize playing potential for robots on the field
- VEX: Main programmer and designer, managed the lab notebook in which the programs, progress, and designs were recorded

PROJECTS

OvenBot (PerkinsHacks 2018 Hackathon: Challenge Award Winner)

Atlanta, GA

- Application that allows the visually impaired to interact more efficiently with modern home appliances

March 2018

Synesthesia (HackGT 2017 Hackathon, https://devpost.com/g_karnati2004)

Atlanta, GA

- Unity application that uses Myo armbands to synthesize/DJ songs and paint your movements

October 2017

Tesla Coil (Georgia Governor's Honors Program, Physics Major/Technology Minor)

Atlanta, GA

- Designed and built a Tesla Coil from scratch during an intensive 4-week summer program

Summer 2015

LEADERSHIP/CLUBS

Georgia Tech Bhangra (Student Government Association Representative)

Atlanta, GA

- Manage student government relations for my Bhangra team, discuss financial and travel information

Present

Grand Challenges House Teams (LIVE Team Representative)

Atlanta, GA

- Organize social events for Grand Challengers to promote mental well-being & stress-relief throughout the year

Present

HackGT (Operations Team)

Atlanta, GA

- Oversees the other divisions within HackGT and organizes the overall events in general to ensure they run smoothly

Present

AWARDS: Principal's Award; Wellesley College Book Award; Semi-Finalist of Moody's Mega Math Challenge; PerkinsHacks Challenge Winner