

TANYA SHARMA

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Expected Graduation: May 2020

Candidate for Bachelor of Science in Computer Science

GPA: 3.88

- Concentrations: Devices and Intelligence

SOUTH FORSYTH HIGH SCHOOL

August 2012 – May 2016

- Valedictorian, AP State Scholar 2016, AP National Scholar, AP Scholar with Distinction **GPA: 4.697**
- Affiliations: NHS, Science NHS, Rho Kappa, Mu Alpha Theta, NEHS, and SHH (Spanish Honor Society)

EXPERIENCE

Vertically Integrated Project – TerraBots

January 2017 – May 2017

Student Researcher - Planning and Execution Team

- Improved encapsulation of code by separating the creation of objects and their internal features and movements from the script that plotted their movements on a visually-appealing graph
- Created 11 test scenarios that replicated the movement of the robots in which each scenario grew in complexity by iteratively adding more end goals and more obstacles
- Improved documentation of the mathematics behind the code for a better understanding of robotic movement

Ganga Library Website Development

December 2016 – March 2017

- Migrated the information of 7 Nobel Laureates by utilizing the Ganga Library WordPress platform
- Structured the Resources page on WordPress using HTML to recreate the philanthropic section of the Ganga Library website

Ganga Library Researcher/Data Collector

February 2014 – April 2014

- Researched and collected data about all the Nobel Laureates and organized their information by year, then by category in excel sheets
- Improved data organization for the personnel who added Nobel Laureate information to the Ganga Library database
- Increased accessibility and for viewers who now have more expanded and consistent Laureate data

PROJECTS

Swagslist

September 2016

Georgia Tech Hackathon

- Designed an Android and iPhone application that allows for members on campus to see nearby events based on the free swag being given out
- Fabricated the project's documentation and shadowed/guided the direction of the application coding within a group of three for the Georgia Tech Hackathon

BalancedLyfe

September 2015 - April 2016

- Designed a cloud-based application in Salesforce that helps the user organize their daily, weekly, and long-term schedule
- Developed this small-scale individual project in the form of an IA and for a client in my class
- Utilized Salesforce's database platform to potentially expand the database storage for more than one client usage in the future

LEADERSHIP

SFHS Speech and Debate Team (President Co-Captain)

August 2013 – May 2016

- Increased the membership of the team tenfold from its beginning membership of two students
- Created stronger leadership roles and mentor/mentee relationships to improve the students' debating skills
- Trained debaters to earn awards to legitimize the South Forsyth debate team in regional competitions

SKILLS/INTERESTS

- **Computer Language:** Java, JavaFX, Python, SQL, Android App Dev, HTML/CSS, VisualForce, APEX
- **Languages:** English (native), Hindi (proficient), Spanish (intermediate)
- **Affiliations:** Alpha Kappa Psi, Women @ College of Computing, Startup Exchange
- **Hobbies:** Dancing, Running, Reading, Writing