Meha Goyal Kumar

337552 Georgia Tech Station, Atlanta GA 30332 | 8671 Forester Lane, Apex NC 27539
http://prism.gatech.edu/~mkumar77 | 919.624.4422 | mkumar77@gatech.edu

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY — **MAY 2020**
Candidate for Bachelor of Science Computer Science and Minor in Spanish — Atlanta, GA
Current GPA: 4.0/4.0

SKILLS

PROGRAMMING: Java, Python, MATLAB, HTML/CSS
TECHNICAL: Command line, Git/GitHub

PROJECTS

IDEA TO PROTOTYPE — **AUG 2017-DEC 2017**
· Developing a way to interact with computers in three dimensions — Atlanta, GA
· Planning to develop software to create a plug-and-play 3D sensing case

UNDERGRADUATE RESEARCH, MSE RESEARCH SCHOLARS PROGRAM — **JAN 2017-DEC 2017**
· Studied Advanced High Strength Steels (AHSS) across various strain rates — Atlanta, GA
· Quantified fracture surfaces and microstructures of AHSS using stereology
· Analyzed data using MATLAB and Excel and presented findings at a poster session

HARDWARE HACKATHON, BEST DESIGN — **APRIL 2017**
· Built a touch-sensitive map of campus to teach Dijkstra's Algorithm using Arduino — Atlanta, GA
· Designed a graph of campus using Inkscape and laser cut from acrylic

WOMEN'S TECHNOLOGY PROGRAM FINAL PROJECTS — **JULY 2015**
· Coded the video game Tetris in Python using object-oriented programming — MIT
· Built an electric motor in two days

LEADERSHIP

COLLEGE OF COMPUTING, TEACHING ASSISTANT — **JAN 2017-PRESENT**
· Instructed students on MATLAB coding and introductory computer science — Atlanta, GA
· Taught recitations of 50 students, tutored one-on-one, created tests, graded tests
· Worked with other teaching assistants to create a challenging yet comprehensive course

THEGIRLCODEPROJECT, LECTURER AND MENTOR — **JAN 2017- AUG 2017**
· Lectured middle school girls on introductory computer science — Atlanta, GA
· Guided the girls in designing STEM-themed video games in Python
· Mentored a team of girls once a week through Summer to aid their project

AWARDS AND HONORS

MSE RESEARCH SCHOLARSHIP, MERIT-BASED, RECIPIENT — **JAN 2017**
PPD SCHOLARSHIP, MERIT-BASED, RECIPIENT — **AUG 2016-PRESENT**