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# SHRUTI DAS

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## EDUCATION

### Bachelor of Science, Computer Engineering

expected May 2021

University of Maryland — College Park, MD

- **Dean's List** — University of Maryland

Fall 2017 - Spring 2018

### Bachelor of Arts, Kathak Dance, Distinction

May 2016

SAMVED Conservatory of Indian Classical Music & Dance — Somerset, NJ

Achieved Bachelor's equivalent in Indian classical dance after 8 consecutive years of full-time training & performing

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**Programming Languages:** Java • HTML • CSS • PHP • R • Arduino • Python

**Software Skills:** MATLAB • Autodesk Inventor • Unity3D • Adobe Creative Suite • Final Cut Pro

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## WORK EXPERIENCE

### Research Intern, Wireless Information Network Laboratory — Technology Centre of NJ

May 2018 - present

Developing an "Internet of Things" framework & implementing various machine learning algorithms to secure system

- Tools & Technologies: Python, C++, PHP, Texas IoT Instruments, Linux, Bluetooth & Zigbee

### Event Operations Organizer, Technica Hacks — Washington DC Metropolitan Area

April 2018 - present

Coordinator for world's largest all-female hackathon & responsible for recruiting event sponsors, mentors, + volunteers

### Marketing Director, Bitcamp Hackathon — Washington DC Metropolitan Area

November 2017 -

present

Produced and led marketing video series for largest spring hackathon on the East coast improving hacker retention

### Research Fellow, Department of Resource Economics — University of Maryland

August 2017 - May 2018

Debugged functions and scripts in R Studio used to aggregate & interpret ERCOT-based wind market volatilities

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## RELEVANT PROJECTS

### Autonomous Over Sand Vehicle (OSV) Design — [PROJECT LINK](#)

January 2018 - May 2018

Project manager in team of 8 engineers constructing autonomous OSV able to identify & extinguish active flames

- Tools & Technologies: CAD, CNC machining, Arduino, sensor schematics (ultrasonic, fire, beam break)

### Cyber-Physical Simulation of "Mario Kart" — [PROJECT LINK](#)

June 2015 - August 2015

Developed & prototyped a go-kart system with a virtual 3D track of "Mario Kart" as a researcher at Rutgers University

- Tools & Technologies: Unity3D, Autodesk 3DS Max, Oculus Rift DK2, Tango Tablet, Arduino Uno, laser sensors
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## NOTABLE CAUSES

### Chapter President, PERIOD Inc.

December 2017 - present

Founded national PERIOD. chapter in College Park holding regular events advocating for rights to menstrual hygiene

### Chapter Member, Society of Women Engineers

September 2017 - present

Member of the national Society of Women Engineers organization through the University of Maryland chapter

### Team Mentor & Logistics Manager, FIRST Robotics Competition

September 2014 - September 2017

Mentored 2 middle-school teams & managed high school team's administration for all regional competitions

### Event Coordinator, UNICEF USA (Philippines, Nepal, Syria)

August 2014 - August 2017

Established and led 3 consecutive community-wide color runs & successfully raised over \$5K annually for UNICEF funds

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