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

Programming Languages: Java ● HTML ● CSS ● R ● Arduino ● Python ● PHP ● Javascript

Software Skills: MATLAB ● Autodesk Inventor ● Unity3D ● Adobe Creative Suite ● Git ● InfluxDB ● mySQL

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++, Texas IoT Instruments, Linux, Bluetooth Low Energy, InfluxDB, openHAB

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

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

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