SHRUTI DAS

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EDUCATION

Bachelor of Science, Computer Engineering   expected May 2021
University of Maryland — College Park, MD

- ○ **Grace Hopper Scholarship** — Maryland Center for Women in Computing   May 2018
- ○ **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

WORK EXPERIENCE

Research Intern, Wireless Information Network Laboratory — Technology Centre of NJ   May 2018 - present
Implemented AI models for end-to-end IoT security-conscious framework embedded with wireless sensors & actuators

Event Operations Organizer, Technica Hacks — Washington DC Metropolitan Area   April 2018 - present
Recruited & organized corporate event sponsors, peer mentors, & volunteers for world's largest all-female hackathon

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

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

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

(***) ADVANCED ● (**) INTERMEDIATE ● (*) NOVICE

RELEVANT PROJECTS

IoT Bandwidth Locators for User Evaluation — PROJECT LINK   May 2018 - August 2018
Developed end-to-end "smart" IoT framework for home automation & implemented ML to detect attacks on system
- - Tools & Technologies: Texas Instruments, Bluetooth LE, Z Wave protocol, Python

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