S H R U T I D A S

shrutid647@gmail.com ● shrutidas.com ● linkedin.com/in/shruti--das ● github.com/shrutidas

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

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

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

WORK EXPERIENCE

Research Intern, Wireless Information Network Laboratory — Technology Centre of NJ May 2018 - present

Implementing 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

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

IoT Bandwidth Locators for User Evaluation — winlabiot.wixsite.com/blue 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, Linux, BLE, Z Wave protocol, Python, openHAB, InfluxDB, Grafana

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