


shruti das

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SHRUTIDAS.COM 

SHRUTIDAS 

SHRUTI--DAS 

education

Bachelor of Science, Computer Engineering

EXPECTED MAY 2021

University of Maryland — College Park, MD

- Grace Hopper Scholarship Recipient — Maryland Center for Women in Computing
- Dean's List — A. James Clark School of Engineering

Bachelor of Arts, Kathak Dance, Distinction

MAY 2016

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

- achieved Bachelor's in Indian dance form after 8 consecutive years of full-time, formal training & performing

work experience

Co-Executive Director, Technica Hacks — DC Metropolitan Area

NOVEMBER 2018 - PRESENT

- current director for world's largest all-women hackathon, introducing 800+ women to tech
- responsible for securing funds, recruiting sponsors, overseeing designs, & hosting networking events

Systems Engineering Intern, Rutgers WINLAB — New Brunswick, NJ

MAY 2018 - AUGUST 2018

- developed an end-to-end IoT framework to persist data real-time with embedded sensors
- implemented ML models improving home automation & detecting wireless attacks with 97% accuracy

Research Fellow, Dept. of Resource Economics — College Park, MD

JANUARY 2018 - MAY 2018

- debugged R scripts to analyze wind power market volatilities from US ERCOT region
- developed research methods to focus on sustainable solutions for inequitable economic growth

relevant projects

IoT Home Automation Security System — WINLAB.IOT.WIXSITE.COM/BLUE

- developed security-conscious framework with embedded wireless sensors
- utilized Bluetooth & Z-wave protocols, openHAB technology, InfluxDB

Autonomous Over Sand Vehicle — SHRUTIDAS.ME/OSV.PDF

- lead engineer in team of eight engineers constructing autonomous OSV
- designed vehicle to identify & extinguish active flames

Cyber Physical Mario Kart — SHRUTIDAS.ME/MARIOKART.PDF

- prototyped go-kart system with virtual 3D track of "Mario Kart"
- created an immersive and safe UX with Unity3D & Tango Tablet

skills

programming

JAVA 

HTML + CSS 

R 

software tools

ADOBE SUITE 

GIT 

MATLAB 

AUTODESK INVENTOR 

leadership & activities

Marketing Director, Bitcamp

NOVEMBER 2017 - PRESENT

- produced video series for largest East coast spring hackathon improving hacker retention by 18%

Chapter Founder, President Emeritus, PERIOD. Inc.

DECEMBER 2017 - DECEMBER 2018

- conceptualized national chapter in College Park advocating for rights to menstrual hygiene

Member, Society of Women Engineers • University of Maryland Chapter

AUGUST 2017 - PRESENT