

shruti das

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SHRUTIDAS.GITHUB.IO 

SHRUTIDAS 

SHRUTI--DAS 

education

Bachelor of Science, Computer Engineering

University of Maryland — College Park, MD

EXPECTED MAY 2021

- Engineering Honors Program — Department of Electrical & Computer Engineering
- Grace Hopper Scholarship — Maryland Center for Women in Computing
- Dean's List — A. James Clark School of Engineering

Bachelor of Arts, Kathak Dance

MAY 2016

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

work experience

Cloud Platform Engineering Intern, Bank of America — New York City JUNE 2019 - AUG 2019

- implemented internal facing full-stack application to monitor health and status of cloud's microservices
- provided comprehensive & consolidated approach for developers to resolve bugs with cloud provisioning efficiently

Co-Executive Director, Technica — DC Metropolitan Area NOV 2018 - PRESENT

- directly oversee all operations for world's largest all-women & nonbinary hackathon drawing 900 students annually
- responsible for securing funds, recruiting sponsors, managing designs, supervising event logistics

Systems Engineering Research Intern, WINLAB — Rutgers University MAY 2018 - AUG 2018

- developed an end-to-end IoT framework to persist data real-time with embedded sensors
- tested machine learning models to improve home automation & detect wireless attacks with 97% accuracy

Research Fellow, Dept. of Resource Economics — University of Maryland JAN 2018 - MAY 2018

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

relevant projects

Interact — DEVPOST.COM/SHRUTI-DAS

- built an interactive, touch-sensitive map showcasing progress towards gender equality
- constructed with Bare Conductive paint, Raspberry Pi inputs, and iOS frontend application

IoT Home Automation Security Study — WINLABIOT.WIXSITE.COM/BLUE

- developed security-conscious framework with embedded wireless sensors
- researched Bluetooth, Z-wave protocols, & openHAB technology for home automation use

Autonomous Over Sand Vehicle — SHRUTIDAS.GITHUB.IO/OSV.PDF

- designed & tested an autonomous over-sand vehicle (OSV)
- devised strategies for identifying & extinguishing active flames present on mission site

Cyber Physical Mario Kart — SHRUTIDAS.GITHUB.IO/MARIOKART.PDF

- designed and prototyped a virtual reality simulation of "Mario Kart" with a real go-cart within a test track
- created an immersive, safe UX with Crazy Cart XL, Oculus Rift DK2, Google Tango tablet, automatic breaking system

skills

programming

JAVA

HTML + CSS

C

R

software tools

ADOBE SUITE

GIT

MATLAB

CAD

PSPICE

leadership & activities

Venture Founder, Startup Shell • DC based incubator with >\$40M value MARCH 2019 - PRESENT

Marketing Director, Bitcamp • improved hacker retention by 18% via social media MAY 2018 - MAY 2019

Chapter Founder & President Emeritus, PERIOD. Inc. DEC 2017 - DEC 2018

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