shruti das

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education

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

EXPECTED MAY 2021
GPA: 3.53

- Engineering Honors Program — Department of Electrical & Computer Engineering
- Adele's Circle of Women Scholarship — University of Maryland
- Dean's List — A. James Clark School of Engineering

Bachelor of Arts, Kathak Dance, Distinction
SAMVED Conservatory of Indian Classical Music & Dance — Somerset, NJ

MAY 2016

work experience

Cloud Platform Engineering Intern, Bank of America — New York City
JUNE 2019 - AUG 2019
- implemented an internal full-stack application to monitor health of cloud's microservices with Spring, Mongo, HTML
- provided comprehensive & consolidated approach for developers to resolve cloud provisioning bugs 20% faster

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 on system

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 a 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
- led a team of eight engineering students in constructing 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