

# Ashmita Rajkumar

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## Education

### Vanderbilt University

2020-2022 (Expected)

- Major: Computer Science

### University of Pittsburgh

2018-2020

- Cumulative GPA: 3.95
- Major GPA: 4.00

## Skills

JAVA

C programming

Assembly Language

Kali Linux

Javascript

Swift

HTML/CSS

## Awards

RU Hack Special Prize	2020
Wolfram Challenge Prize	2020
Dean's Honor List	2020
Browne Fellowship	2019
Intel ISEF Alternate Prize	2017
MIT INSPIRE Finalist	2016
JSHS Semifinalist	2016
Conrad National Finalist	2016
ACM Special Award	2016

## Projects

### quornel

quarantine journaling app that provides a creative outlet

### Protests.Me

awareness app that allows users to find or organize protests safely

### WeShop

connecting elderly to groceries during pandemic

### quotified

inspirational quotes app with personalized features

### nav.igate

interactive spatial planning app

### MedHack

preventative app for personal & business network intrusion

### Counsel.me

educational app to provide greater counselor access

## Experience

### Schneider Downs & Co. Inc. | Cyber Security Intern

Summer 2020

- penetration testing for commercial network security breaches
- perform risk assessments for clients establishing global networks

### NASA Ames Research Center | Data Analysis Intern

Summer 2019

- developed composite report on all United Nations member countries' medical requirements
- analyzed differences between NASA and other countries' medical protocols for space exploration

### TraceCloud | Software Developer Intern

Summer 2015

- developed technical documentation for cloud-based management system for commercial end usage
- redesigned front end to enhance user experience

## Leadership

### Hack412 | Finance & Sponsorship Chair

Summer 2020

- contacted companies and established sponsorships
- managed finances for all hackathon expenditures

### University of Pittsburgh | Resident Assistant

August 2019 – August 2020

- cultivated a safe space for residents that promoted social interactions and a multicultural environment

### South Asian Malaria Foundation | President

2014 - present

- founded an organization that promoted global medical advocacy and raised over \$4000 in grant money
- provided preventative measures against malaria to over 3500 orphans in Southern Asia

## Publications

- A. Rajkumar "Human Emotion Assessment Based on Physiological Data Using Semiotic Analysis" US Patent Application Number: 20170042463
- A. Rajkumar, "Human Health Risk Assessment of Space Radiation," *SAE AeroTech Americas*.
- A. Rajkumar, "Prediction of Diabetes Progression Using Statistical Analysis," *IEEE BIBM 2019* ISBN: 978-1-7281-1866-6.
- A. Rajkumar, "The Effect of the Indian Social Structure on the Perception and Development of Bharatanatyam," *Forbes & Fifth*.
- A. Rajkumar, "Reducing and Harvesting Radiation into Sustainable Energy in a Cellular Apparatus," *International Journal of Arts and Sciences*, 2015 ISSN: 1943-6114