

# Nikitha Preetham

Boston, MA 02115, 201-989-6827

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## EDUCATION

### Northeastern University, Boston, MA

GPA: 3.667/4.0

Sept. 2018 - Present

*Master of Science in Computer Science*

Expected graduation: December 2020

Related Courses: Programming Design Paradigm, Human-Computer Interaction, Database Management System, Algorithms, Web Development, Computer Systems

Activities: Graduate Women in Science and Engineering, NU Sanskriti, NU E-Sports

### M.S. Ramaiah Institute of Technology, Bangalore, India

GPA: 8.55/10

June 2018

*Bachelor of Engineering in Computer Engineering*, First Class with Distinction

Related Courses: Product Design and Manufacturing, Internet of Things, Database Systems, Data Analytics, Mobile Application Development (Android)

Activities: Quiz Club, Photography Club

## TECHNICAL KNOWLEDGE

### Technical Languages:

Python, Java, JavaScript, HTML5, C++, C, SQL, R, SAP ABAP, Kotlin

### Systems:

MacOS, Windows, Ubuntu

### Software:

Android Studio, Eclipse, Appium, Photoshop, IntelliJ, RStudio, PyCharm, Jupyter, NodeRED, OM2M, InVision

### Certifications:

Cryptography and Network Security, AI: Knowledge Representation and Reasoning, Design and Analysis of Algorithms, Social and Behavioral Research – Basic Course

## PROJECTS

### Green Logical (Recycling Android Application)

Amherst, USA

HackHer413 Project

Feb. 2020

- Created and demoed an Android application (<https://github.com/NikithaPreetham/GreenLogical>) that promotes sustainability through encouraging users to throw their waste in the right category of disposal. The user uploaded image of the trash is analyzed by Google Cloud Vision and is then classified in the code. The app provides incentive by keeping count of how many items s/he has thrown away in each category.

### Safe Space (Therapeutic Chatbot)

Amherst, USA

HackHer413 Project

Feb. 2019

- Created and demoed a basic chatbot targeting users who are prone to anxiety, panic attacks, and depression on our team's personal domain (<https://yoursafespace.net/>) which links to Spotify to retrieve playlists according to the mood, play it on a Bose SoundTouch speaker, and deploy it using Google Cloud

### Sustainable Smart Drainage Management System

Bangalore, India

M.S. Ramaiah Institute of Technology Project

Sept. - Dec. 2017

- Led a team of 4 members in developing an application interface using Android Studio and assembling hardware to monitor and relay rate of flow of drainage to authorities and thereby reduce time required to remedy an issue

### Smart Bus Transportation Application

Bangalore, India

Hewlett Packard Enterprises Project

Feb. - Sept. 2017

- Presented and programmed an interface and functionality of the first prototype of an Internet-of-Things bus app and received a certificate for it

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## WORK EXPERIENCE

### Sonos, Inc.

Boston, USA

*Software Development Engineer in Test Intern*

Jun. 2020 – Aug. 2020

- Investigated, built/created, tested and presented an automated solution for testing voice specific controller flows, especially around voice account setup using Appium for iOS and Android.

### Virgin Pulse

Framingham, USA

*Software Development Engineer in Test Intern*

Aug. 2019 – Jan. 2020

- Created and helped implement automation tests for cross platform applications and also helped maintain existing tests to validate expected functionalities and ensure quality.

### Northeastern University

Boston, USA

*Teacher's Assistant Mobile Application Development*

Jul. 2019 – Aug. 2019

- Assisted course faculty with the creation of assignments and grading for the class as well as conducted a workshop on React Native for beginners along with the other teaching assistants.

*Teacher's Assistant for Human Computer Interaction*

Jan. 2019 – Apr. 2019 / Jan. 2020 – Apr. 2020

- Assisted course faculty with the evaluation and assessment of the students' assignments, class activities, and exams as well as helped them with various topics such as user interaction, user interface design, and usability testing.

### Panda (Savola Group)

Jeddah, Saudi Arabia

*Business Intelligence IT Intern*

Aug. 2017

- Implemented changes to Panda's retailer database using SQL to reduce complexity of calls and computations on it and thereby sped points assignation to membership cards.