

# Abhiti Vaish

MIT Address | Boston, MA 02115  
Home Address | New York, NY 10021

## Education

### Massachusetts Institute of Technology

*B.S. in Computer Science and Engineering & Minor in Economics*

Relevant Coursework: Software Construction, Computer System Security, Computer System Engineering, Design and Analysis of Algorithms, Artificial Intelligence, Principles and Practice of Assistive Technology, Interconnected Embedded Systems; Innovation Policy and Economics, Economics and E-Commerce

### United World College – USA | International Baccalaureate Diploma

Awarded a full merit scholarship by the U.S. National Committee

Cambridge, MA

June 2020

Montezuma, NM

May 2016

## Experience

### Software Engineering Intern | Microsoft

Building an ed-tech web app to teach Smartfonts, a universal tool developed by Microsoft Research, which facilitates reading static and dynamic “21<sup>st</sup> Century fonts”; championing REST API and DevOps

### Mobile Engineering Intern | Brightest

Advocated for and implemented companion Android app which informs socially engaged citizens of local volunteering opportunities; 500+ downloads on the Play Store

### Software Engineering Intern | Comcast

Wrote a proprietary REST API that resolves an IP address to its subnet, service, and security zone; validated router configurations using Batfish to preemptively identify errors

### Software Engineering Intern | Teralytic

Designed Slack notification back-off algorithm, detecting inactive gateways that monitor farms; created Alexa skill reporting soil metrics and anomalies; constructed ARKit experience displaying sensor data

### Undergraduate Researcher | MIT SENSEable City Lab

Developed MATLAB scripts, analyzing smartphone accelerometer data to monitor bridges using Structural Health Monitoring; structured protocol for crowd-sourced data storage

Cambridge, MA

June – August 2019

Brooklyn, NY

January 2019

Philadelphia, PA

June – August 2018

New York, NY

January – April 2018

Cambridge, MA

July – December 2017

## Projects

### Android Developer | So Much Simplicity (SMS)

Built high-contrast Android SMS app to aid low-vision client; focused on sleek yet functional conversational message container

### Full-Stack Developer | The Other Half

Independently produced productivity-enhancing app for partners to coordinate their lives using a joint collaborative “bucket-list” and social calendar

### Android Developer | Brainy Backpack

Engineered app that alerts user if they forget to pack a necessity in their smart backpack, based off of their Google Calendar schedule

Cambridge, MA

September – December 2018

Philadelphia, PA

May – July 2018

Cambridge, MA

April – May 2018

## Skills

Java, Python, C++, Shell, MATLAB, LaTeX, JavaScript, CSS, SQL, Git, Android Studio, React JS

Alexa Skill Kit, IoT, LoRaWAN, Spring Boot Framework, REST APIs, Swagger, Agile, AWS, Azure

fluent Hindi, proficient French

## Prior Locations

Montezuma, NM | Mumbai, India | Scarsdale, NY

## Contact

abhiti@vaish.com 

abhiti@mit.edu 

github.com/abhiti 

linkedin.com/in/abhiti-vaish 