

# Abhiti Vaish

## Education

**Massachusetts Institute of Technology | 4.5 / 5.0**

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

Product Engineering Processes, 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, Engineering Innovation, Economics and E-Commerce

Cambridge, MA

May 2020

## Experience

**Enterprise Technical Lead | Palantir Technologies**

Scaling the Artificial Intelligence Platform to support the health, civil, and defense US Government portfolio by integrating open-source and foundational models.

New York, NY

February 2024 - *present*

Directing tech and strategy for 30 engineers developing full stack software and automated data pipelines for U.S. government civil healthcare systems (during and post COVID) supporting Depts. of Health and Human Services and Veterans Affairs.

September 2020 -

February 2024

**System Integrator | 2.009: Product Engineering Processes**

Managed iterative product design in MIT's capstone class by coordinating a team of 16 mechanical and software engineers building a fixed-volume buoyancy control device

Cambridge, MA

September - December 2019

**Software Engineering Intern | Microsoft**

Designed ed-tech web app to teach Smartfonts, Microsoft Research's tool which facilitates reading digital content using static and dynamic colorful "21<sup>st</sup> Century fonts" which are highly distinguishable in comparison to familiar fonts; championed REST API and DevOps of product

Cambridge, MA

June - August 2019

**Mobile Engineering Intern | Brightest**

Implemented Android app that aggregates volunteer opportunities to engage socially active citizens; 500+ downloads on the Play Store; advocated for Android app as a companion for existing iOS app

Brooklyn, NY

January 2019

**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

Philadelphia, PA

June - August 2018

**Software Engineering Intern | Teralytic**

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

New York, NY

January - April 2018

**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

July - December 2017

## Projects

**Founder & CEO | AUX**

Conceptualized a real-time democratic music queuing web-based platform for casual social gatherings; service facilitates music streaming services sharing; MIT Sandbox seed-funded

New York, NY

September 2019 -

September 2020

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

Built high-contrast Android SMS app to aid low-vision client with mobile communication; crafted sleek, sparse yet functional conversational message container

Cambridge, MA

September - December 2018

**Android Developer | Brainy Backpack**

Engineered Android app that alerts smart backpack user if they forget to pack a necessity that is associated with an upcoming Google Calendar event, using Firebase push notifications

Cambridge, MA


April - May 2018


## Skills

Java, Python, C++, Shell, SQL, Apache Spark, TypeScript, Git, Android Studio, Alexa Skill Kit,

Docker, LoRaWAN, REST APIs, Cloud Services (AWS, Azure), Data ETL, Terraform, Languages (Hindi, French)

## Contact

abhitiwaish.com 

abhiti@alum.mit.edu 

github.com/abhiti 

linkedin.com/in/abhiti-vaish 