

Abhiti Vaish

Education

Massachusetts Institute of Technology | 4.5 / 5.0

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

Mobile and Sensor Computing, 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; Privacy Legislation, Innovation Policy and Economics, Engineering Innovation, Economics and E-Commerce

Cambridge, MA

May 2020

Experience

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 "21st 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; invented 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 - *present*

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

Full-Stack Developer | The Other Half

Independently produced productivity-enhancing Android app for partners to coordinate their lives together using an informal, customizable, and collaborative "bucket-list" and social calendar

Philadelphia, PA
May – July 2018

Android Developer | Brainy Backpack




Engineered 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, MATLAB, LaTeX, SQL, Git, Android Studio, Alexa Skill Kit, Firebase, Agile, Docker, IoT (LoRaWAN), REST APIs (Spring Boot, Swagger, Flask, FastAPI), Cloud Services (AWS, Azure), Languages (Hindi, French)

Contact

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