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| **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) | | | | |