

# Priyan Vaithilingam

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## Education

### University of California, San Diego

M.S. IN COMPUTER SCIENCE

San Diego, USA

Sept 2018 - June 2020 (Expected)

### Indian Institute of Technology (IIT), Indore

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING | CUM. GPA: 9/10

Indore, India

June 2011 - May 2015

## Work Experience

### Research Fellow, Microsoft Research India

Bangalore, India

- Honorable mention paper in CHI 2018 | Worldwide 2nd place in Microsoft Hackathon 2017.
- Assisted research in HCI, Programming Languages and Information Retrieval.

Mar. 2016 - July 2018

### Software Engineer, Microsoft India

Hyderabad, India

- Migrated the data services tool to Cosmos: Microsoft's internal big data platform.
- MACH journalist for Microsoft Internal newsletter.

June 2015 - Mar. 2016

### Co-Founder, Student Entrepreneurship Support Cell, IIT Indore

Indore, India

- Secured funding for incubating 5 start-ups. | 2nd Place, National Entrepreneurship Challenge.
- Led a 5 people team to foster entrepreneurship within the institute.

Aug. 2013 - Jan. 2015

### Software Developer Intern, Microsoft India

Hyderabad, India

- Worked on enterprise feedback management.
- Contributed to Battleship game (internal) for XBOX Kinect.

May 2014 - July 2014

## Relevant Projects (<https://priyan.info/projects>)

### CodeTalk: Improving IDE Accessibility for Visually Impaired Developers

Microsoft Research

- Enhanced visually impaired developers' productivity by 40% by developing a tool with novel code navigation and audio debugging techniques.
- Honorable Mention ACM SIGCHI 2018 | Open sourced in GitHub

### Prius: Priority Inbox for Outlook

Microsoft Research

- Refines user's mailbox by highlighting high priority e-mails for immediate attention/action.
- Developed ML models to analyze user's behavior and provide personalized experience.

### Interactive Cane: Smart walking stick for Visually Impaired people

Microsoft Research

- Intelligent walking stick that assists visually impaired people in navigation.
- Optimized the code to enable real-time streaming of sensor data directly to Azure IoT Hub.

### Email Insights: Faster and Relevant Email Search

Microsoft Research

- Blazing fast email search that ranks emails based on relevance.
- Deployed the fuzzy search algorithm in to Microsoft Outlook single handedly.

### SmartLockscreen: A lock-screen which understands your environment

IIT Indore

- Intelligent lock screen for android phones that adapts the security level based on user-context.
- Developed sensor based context-detection technique and secure user profiles.

## Publications

### CodeTalk: Improving programming environment accessibility for Visually Impaired developers

ACM SIGCHI 2018 (Honorable Mention)

Venkatesh Potluri, **Priyan Vaithilingam**, Suresh Iyengar, Vidya Y, Manohar Swaminathan, Gopal Srinivasa

## Teaching Experience

Interaction Design, Teaching Assistant, University of California, San Diego

Fall 2018

Introduction to Azure Distributed Computing, Microsoft Research India

June 2017/18

## Honors & Awards

Microsoft Hackathon, Worldwide 2nd Place (developer category)

2017

National Entrepreneurship Challenge, 2nd Place

2015