

# Priyan Vaithilingam

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## Education

### University of California, San Diego

M.S. COMPUTER SCIENCE | CUM. GPA: N/A

San Diego, USA

Sept 2018 - June 2020 (Expected)

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

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING | CUM. GPA: 9.02/10

Indore, India

June 2011 - May 2015

## Work Experience

### Research Fellow, Microsoft Research India

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

Bangalore, India

Mar. 2016 - July 2018

### Software Engineer, Microsoft India

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

Hyderabad, India

June 2015 - Mar. 2016

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

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

Indore, India

Aug. 2013 - Jan. 2015

### Software Developer Intern, Microsoft India

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

Hyderabad, India

May 2014 - July 2014

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

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

HONORABLE MENTION ACM SIGCHI 2018 | OPEN SOURCED IN GITHUB

- Worked on quick navigation and audio debugging in Visual Studio and also conducted user studies with the product.

Microsoft Research

### PSharp: Safer Asynchronous Programming Language

OPEN SOURCED IN GIT HUB

- Worked on large scale parallel testing of PSharp binaries in Azure cloud, and initial stages of Dynamic Race Detection.

Microsoft Research

### Email Insights: Faster and Relevant Email Search

RELEASED BY MICROSOFT (AVAILABLE IN WINDOWS STORE) | FEATURED IN MICROSOFT BLOG

- Worked on relevance based email search, multi-tabbed UI and custom commands.
- Published parts of the search algorithm in Microsoft's internal Outlook version.

Microsoft Research

### SmartLockscreen: A lockscreen which understands your environment

OPEN SOURCED IN GITHUB | RESEALED & USER TESTED IN XDA DEVELOPER FORUM.

- Worked sensor based context detection and secure user profiles.

IIT Indore

### BattleShip Game for Kinect

INSTALLED INTERNALLY WITHIN MICROSOFT HYDERABAD OFFICE

- Worked on the back-end Game AI with different difficulty levels, and UI prototyping.

Microsoft India

### Pac-Man in 3D: With autonomous playing

OPEN SOURCED IN GITHUB

- Worked on AI for the ghosts and autonomous Pac play with different difficulty levels.

IIT Indore

## 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