

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