



**Manikandan K.V**  
Product Designer

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## Experience

### Product Designer (Smart Speakers)

*UM School of Information, Feb 2017 - Present*

- Conducted Research through Interviews, Observations, Survey, Wizard of Oz and Participatory design exercises.
- Developed a functional and working prototype.
- Created a detailed study design for evaluating the interventions
- Poster Presentation at DTL Conference in Barcelona, Spain (Dec 2017)

### UX Design Consultant

*UM Tech Transfer, Mar 2017 - Present*

- Designed low fidelity mockups and interactive wireframes for UM Hospitals using Sketch, balsamiq and Proto.io
- Coordinated with Director and Supervisor to find best solutions for clients

### Technology Consultant

*UM IT Services, Sept 2016 - Jan 2017*

- Supported web design and development for UM IT Services
- Added value to existing projects by conceptualizing exploratory ideas through prototypes developed in Principle and Framer.js
- Designed support platform using Bootstrap to share terminal commands making it easier for users to follow technical instructions

### Cyber-Security Consultant

*Ernst and Young LLP, July 2014 - July 2016*

- Designed and developed a tool for Internal Auditors through design thinking process. The tool increased the efficiency by 75% through automation
- Increased revenue by exceeding client expectations on engagements

## Selected Projects

### Xplore, Social Computing (Mobile Application)

Engaging local and global community of people traveling through the same route by creating sharable micro-experiences

### Alexa-Priv, Experimental Design (SmartSpeaker)

Using Human-Centered Design to better integrate privacy in smart speakers such as Amazon Alexa and Google Home

### Rakshaa, Civic Tech (Mobile Application)

A Civic tech application aimed at curbing sexual harassment of women in India by leveraging social network connections

## Education

### University of Michigan

M.S Human-Computer Interaction  
Exp Grad: April 2018

### B.S Abdur Rahman University

B.Tech. in Electronics and  
Communication Engineering  
Grad: Oct 2014

## Leadership & Awards

Travel Grant - DTL Conference (2017)  
EY Excellerator Award (2016)  
President - Robotics Club (2014)

## Skills

### Design + Prototyping

Brainstorming & Whiteboarding  
User Journey mapping  
Interaction Maps and Site Maps  
Persona creation  
Contextual Inquiries & Coding  
Affinity Mapping  
Card Sorting & Information Architecture  
Wireframing  
Visual Design Skills  
Prototyping (Web, IoT and VR)

## Tool Kit

### Design + Prototyping

Adobe Illustrator & Photoshop  
Sketch  
Framer.js  
Invision, Principle, Proto.io  
Balsamiq

### Programming

HTML/CSS/JS  
Node.js  
Python