

# SAHIL ANAND

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## EDUCATION

### MS IN HUMAN CENTERED DESIGN AND ENGINEERING

*University of Washington, Seattle, WA*

Sep 2015 – Mar 2017 (Expected)

### B.TECH IN ELECTRONICS AND COMMUNICATIONS ENGINEERING

*National Institute of Technology Karnataka, IN*

Aug 2006 – May 2010

## WORK EXPERIENCE

### STUDENT RESEARCHER, HUMAN-CENTERED ROBOTICS LAB

*University of Washington, Seattle, WA*

Oct 2015 – Present

Research, design and evaluation of interfaces for Human-Robot Interaction and remote operator manipulation.

### STUDENT ASSISTANT, URBAN DESIGN AND PLANNING

*University of Washington, Seattle, WA*

Oct 2015 – Present

Design, implementation and evaluation of interactive mapping and visualization tools for natural hazards.

### FULL STACK ENGINEER AND DESIGNER

*III Technologies Pvt. Ltd, Bangalore, IN*

Apr 2012 – Sep 2015

Designed and developed multi-platform solutions for increasing customer engagement.

Created numerous concepts, mock-ups, software and hardware prototypes for client & investor demonstrations.

### TECHNOLOGY CONSULTANT

*India Innovation Labs, Bangalore, India*

Jun 2010 – Sep 2015

Researched and developed Robotics, Computer Vision and Natural User Interface technologies.

Collaborated with industry partners to develop and evaluate working prototypes and applications of above technologies.

## ABOUT ME

I design, build and study interactions with robots and physical computing systems. My broad technical knowledge helps me to bridge the gap between design and implementation.

## PROJECTS

### UX RESEARCH AND DESIGN

#### *Robots for Language Education*

Building Conversational Robotic Agents for teaching English to children in rural Africa.

#### *Customer Engagement Platform*

Designed solutions to streamline promotional and marketing activities for client (Resil Chemicals).

Increased customer engagement for client (Resil Chemicals) by 3x and sales conversion ratio from 7% to 25% in first month.

### PROTOTYPING AND IxD

#### *Experiential Telepresence System*

Built a life-sized Humanoid Telepresence Robot capable of autonomous navigation and basic interactions with humans.

Built immersive experiences for Robot Operation using Virtual Reality headsets and joystick controllers.

#### *Interactive Kiosks*

Created functional and video prototypes for gesture-based interactive kiosks and home automation systems using motion capture technology.

Received **Innovation Award** at Manufest 12, Wipro, IN

## SKILLS

### UX

User-Centered Design, User Research, User Testing, Low to Hi-Fi Prototyping, Interaction Design, Data Analysis

### DESIGN TOOLS

Adobe Creative Suite, Balsamiq, UXPin, Unity, Autodesk Maya, SoftImage

### PROGRAMMING

C/C++, Java, Python, JavaScript, HTML, CSS, OpenCV, ROS, Node, Angular, Meteor, Arduino, SparkCore, Raspberry Pi