

SahilAnand

Design Technologist

EDUCATION

MS in Human Centered Design and Engineering

University of Washington, Seattle | Sep 2015 – Mar 2017 (Expected)

B.Tech in Electronics and Communications Engineering

National Institute of Technology Karnataka, IN | Aug 2006 – May 2010

WORK EXPERIENCE

Design Technologist Intern

Amazon, Seattle | June 2016 – Sep 2016

- › Worked closely with researchers to study and implement a system for capturing and analyzing the emotional experience of users interacting with digital products and devices.
- › Designed and prototyped the complete end-to-end workflow consisting of tools for capturing and analyzing emotional responses, visualizing results and generating reports of user experience.
- › Constantly iterated on system and interface designs to simplify the workflow and improve the usability of the system.

Research Assistant, Department of Urban Design and Planning

University of Washington, Seattle | Oct 2015 – Present

- › Designed and developed interactive mapping and visualization tools for understanding the impact of natural risks and hazards.
- › Created functional prototypes and a minimal viable product (MVP) for an application that allows homeowners, buyers, real-estate and insurance companies to receive a visual and statistical report describing a land unit's vulnerability to natural and human-health related hazards.
- › Collaborated with FEMA (Federal Emergency Management Agency) to develop better tools and models for estimating displaced households and shelter demands during earthquake scenarios.

Full Stack Engineer + Designer

IIL Technologies Pvt. Ltd, Bangalore, India | Apr 2012 – Sep 2015

- › Designed and developed multi-platform solutions for clients to improve their marketing strategies and customer engagement with products.
- › Created MVPs, mock-ups, software and hardware prototypes for validating product ideas with potential users and for product demonstrations to clients and investors.

Technology Consultant, Research and Development

India Innovation Labs (IIL), Bangalore, India | Jun 2010 – Sep 2015

- › Collaborated with industry partners to research, develop and test numerous software/hardware prototypes and concepts for emerging technologies including Robotics, Computer Vision and Natural User Interfaces.
- › Mentored undergraduate engineering students in Robotics and Computer Vision projects.

CONTACT

syanand@uw.edu

(206) 954 8144

sahil-anand.com

SKILLS

UX

User-Centered Design
User Research
Usability Testing
Wireframing
Interaction Design
Prototyping
Information Visualization

Design Tools

Adobe Creative Suite
Autodesk Maya
Axure
Sketch

Programming

C/C++
Python
HTML, CSS
Javascript
Arduino

Frameworks

Django
NodeJS
Unity
Angular
jQuery
Bootstrap

WORK EXPERIENCE (contd.)

Graduate Researcher, Human-Centered Robotics Lab

University of Washington, Seattle | Oct 2015 – June 2016

- › Researched, designed and created functional prototypes to evaluate Social and Conversational Robots for teaching language to children in rural countries.
- › Co-authored publication titled *"Automatic Adaption of Online Language Lessons for Robot Learning"* at the International Conference on Social Robots, ICSR 2016

Graduate Teaching Assistant, Human Centered Design & Engineering

University of Washington, Seattle | Mar 2016 – June 2016

- › Teaching Assistant for HCDE 439 : Physical Computing, an undergraduate level class that introduces students to concepts and practices of engineering human-centered interactive systems and environments using low cost microcontrollers, sensors and actuators.