Gaurav Paruthi

R&D Engineer/ Design Technologist/ Entrepreneur

http://www.gauravparuthi.com — ✉ — ⍉ — in

Education

Ph.D. Information Science	*2011- 2017*
University of Michigan, Ann Arbor, MI	
Graduate Certificate in Computational Discovery and Engineering	*2015*
B.E.(Honors) Electrical and Electronic Engineering	*Fall 2005-2009*
Birla Institute of Technology and Science, Pilani, India	

Professional Experience

R&D Engineer, KindredAI *2018 - Now*
Developed computer vision models and systems for robot manipulation at scale.

Human-Computer Interaction Researcher, University of Michigan *Fall 2011 - Winter 2017*
Developed systems to explore novel design space after qualitatively understanding complex human behavior.

Design Technologist, IDEO CoLab *Summer 2017*
Designed an end-to-end smart cities product involving user research and extensive prototyping.

Co-founder, Sophus Inc. *2016*
Led the technology and design effort to build a hyperlocal expertise sharing app.

Researcher, PARC, Palo Alto, California *Summer 2015*
Explored the human-centered design of an AI assistant.

Data Scientist, Telefonica Research, Madrid *Summer 2013*
Analyzed large scale data from Kiva to provide design implications for Microlending websites.

Researcher Engineer, Microsoft Research *2009 - 2011*
Designed, engineered, and evaluated educational technologies for resource constrained environments.

Skills

Programming Languages: Python, Javascript, Swift, Go, C/C++, C#, SQL

Machine Learning: Pytorch, Scipy, Numpy, Pandas, Keras

Frontend Frameworks: React, Typescript, Mobx, Flask, Serverless

Usability and Design: Hi-fi & Lo-fi Prototyping, Personas & Scenarios, Journey Maps, A/B test

UX Research: Qualitative, Quantitative, Experiments, Interviews, User Enactments, Surveys

Hardware Prototyping: Arduino, Raspberry PI, Photon, BLE

Selected Publications 🎓

Zaky Y., Paruthi G., Tripp B., Bergstra J. **Active Perception and Representation for Robotic Manipulation** *In submission for ICRA'20*

Paruthi et al. **Finding the Sweet Spot(s): Understanding Context to Support Physical Activity Plans** *IMWUT'18*

Paruthi et al. **Heed: Exploring the Design of Situated Self-Reporting Devices** *IMWUT'18/ UbiComp'18*

Paruthi et al. **Utilizing DVD players as low cost offline Internet Browsers** *CHI'11 Top 5%*

Awards and Honors

Top 1% IDEO CoLAB Fellowship	*2017*
First, Exposition, School of Information, University of Michigan	*2013, 2016*
First, Kaggle Competition for the Course SI-721 Data Mining,	*2012*
National Finalist, for Google Product Prodigy,	*2009*
National First Runner-Up, in Microsoft's Imagine Cup, in Software Design, Out of 4000 Teams.	*2007*
First, Binary Pirates, India's first Capture the flag hacking contest, Quark	*2008*