Gaurav Paruthi

Software Engineer/ Design Technologist/ Entrepreneur

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

Software Engineer, **KindredAI**   *2018 - Now*
Designed and developed machine learning pipelines that leverage state of the art deep learning techniques for robot manipulation.

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, Tensorflow, Keras, Sagemetrics

Frontend Frameworks: React, Typescript, Mobx, RiotJS, 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

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. **Peer-to-Peer Microlending Platforms: Characterization of Online Traits** *IEEE Big Data'16*

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*