BISHESH KHADKA

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EDUCATION

Massachusetts Institute of Technology   *2014-2018*
B.S. Candidate in Electrical Engineering & Computer Science

6.824	Distributed Systems	6.046	Design and Analysis of Algorithms
6.172	Performance Engineering	6.033	Computer Systems
6.819	Computer Vision	6.036	Introduction to Machine Learning
6.008	Introduction to Inference	6.005	Software Construction

TECHNICAL EXPERIENCE

eero   May 2017 - Aug 2017
Software Engineer Intern   *San Francisco, CA*

· Extended capabilities of eero's cloud services to support haipin NAT, multiple IPs, and Thread.
· Redesigned speed test pipeline to significantly reduce user wait time.
· Eliminated technical debt for user facing cloud features in Scala.

MIT Brain and Cognitive Science   Sept 2017 - Now
Undergraduate Researcher   *MIT*

· Modeling complex causal interactions with probabilistic programming languages.

NVIDIA   May 2016 - Aug 2016
Software Engineer Intern   *Santa Clara, CA*

· Researched wireless protocol enhancements; simulated the client-side optimizations with C sockets.
· Deployed a command-line based test system for Android connectivity in Python as an infrastructure tool.
· Created a full-stack webtool for connectivity bug report parsing with Django & SQL.

MIT Media Lab   Feb 2016 - June 2016
Undergraduate Researcher   *MIT*

· Optimized data pipeline for Google Maps based training data in MATLAB for the StreetScore project.

Hadron Industries   Jan 2016
Software Engineer Intern   *Cambridge, MA*

· Developed a 3-D Geometry based framework for monitor displays using WebGL/JavaScript.
· Prototyped a gesture-control based UI to interface with the 3-D framework.

NVIDIA   June 2015 - Aug 2015
Software Engineer Intern   *Santa Clara, CA*

· Designed and built automation tools using Python and ADB for bandwidth estimating, and testing WiFi and BT on Android clients.
· Visualized and analyzed WiFi and Bluetooth statistics extracted from Mobile devices using NumPy and matplotlib.

LEADERSHIP

StartLabs   2014 - 2016
Co-Director & Organizer   *MIT*

· Led and organized MIT's largest undergraduate entrepreneurship club
· Managed StartLab's network of Boston area startups and VCs to put on events such as startup treks and speakers series.

SKILLS

C · **Python** · **Java** · **Go** · **Scala** · **Django** · **MATLAB** · **Javascript** · **SQL** · **TCP/IP** · **WireShark**