BISHESH KHADKA

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EDUCATION

Massachusetts Institute of Technology   *2014-2018*

B.S. in Computer Science & Engineering

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	Machine Learning

WORK EXPERIENCE

Convoy   Aug 2018 - Present

Software Engineer - Revenue Foundation   *Seattle, WA*

· Enabled automation for 10% of inbound shipments by designing and building an automatic email service to replace manual shipment creation.

· Improved resiliency and data readability of a critical system that makes decisions about 90%+ of Convoy's revenue shipments by refactoring and implementing a new API and data model.

· Diagnosed, fixed, and presented root causes of revenue critical outages during 1600+ hours of being on-call, such as a cross service locking issue that disrupted shipment creation.

· Identified and corrected thousands of mislabeled shipments by implementing fuzzy feature matching to search through incomplete data.

· Prevented outages and revenue loss by incorporating AWS SNS/SQS messaging in Node.js services to move non-critical tasks asynchronously downstream in revenue pipeline.

eero   May 2017 - Aug 2017

Software Engineer Intern   *San Francisco, CA*

· Extended capabilities of eero's cloud services to support hairpin NAT, multiple IPs, and Thread.

· Redesigned speed test pipeline to significantly reduce user wait time by implementing caching.

· Eliminated technical debt for user facing cloud features in Scala.

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.

NVIDIA   June 2015 - Aug 2015

Software Engineer Intern   *Santa Clara, CA*

· Designed and built automation tools using Python and ADB for bandwidth estimation.

· Visualized and analyzed WiFi and Bluetooth statistics extracted from Mobile devices.

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.

TECHNOLOGIES

Javascript · Node.js · AWS · Python · C · Java · Go · PostgresQL · TCP/IP · WireShark