





# Uday Mittal

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## WORK EXPERIENCE

### **Yahoo!, Sunnyvale, CA — Intern, Jun'16 - Sep'16**

Increased the efficiency of channel based query profitability experiments by developing a front-end in React for consistent management of channel state.

### **UC Irvine, Irvine, CA — Teaching Assistant, Jan'16 - Jun'16**

Conducted D3.js workshops, python programming labs and mentored projects on information visualization.

### **Khosla Labs, Bangalore, India — Software Engineer, Apr'14 - Jul'15**

**Analytics Framework** - Improved transparency in business & infrastructure by developing a Java platform for analytics. Provided dev teams with client libraries to stream data and build custom dashboards quickly using Kibana & Elasticsearch.

**Sales Conversion Prediction** - Developed an android app for collecting client surveys and performed exploratory data analysis to increase sales conversions by identifying promising retailers

## PROJECTS

### **Location based pub sub for mobile advertising**

Created a real-time ad dispatcher that allows retailers to send ads to interested users in proximity. Flask based app uses Kafka for pub-sub & PostgreSQL with PostGIS for storage.

### **Search Engine for ics.uci.edu**

Developed a search engine using crawler4j for crawling, TF-IDF for indexing and cosine similarity for ranking search results.

### **Traffic Sign Detection from Videos**

Developed a two stage localization and classification algorithm for identifying traffic signs using the German Traffic Sign Detection Benchmark (achieved 95% success).

### **Kaggle: Rossmann Store Sale Forecasting**

Predicted 6 weeks of sales for 1115 stores with 0.14 RMSPE. Used an ensemble of neural networks built with Theano, trained on GPUs.

## EDUCATION

### **University of California**

**Irvine, Irvine, CA**

Masters in Computer Science

2015-present

GPA: 3.83/4

### **Indian Institute of**

**Technology Mandi, India**

Bachelors in Electrical

Engineering

2009-2013

GPA: 8.11/10

## TECHNOLOGIES

### **DAY-TO-DAY COMFORT**

Java	HTML
Python	CSS
Javascript	Spring-Web
React.js	Elasticsearch
Node.js	Kibana
D3.js	MySQL

### **EXPERIENCE WITH**

Flask	Kafka
Pig	Socket.io
Maven	Android
Hibernate	

## RELEVANT COURSES

Analysis of Algorithms  
Machine Learning  
Information Retrieval  
Middleware for Dist. Systems  
Operating Systems  
Software Testing & Analysis  
Visual Computing  
Image Understanding