





Uday Mittal

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WORK EXPERIENCE

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

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

Yahoo Hackday Winner: Location based postcards for mobile Yahoo! mail.

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

Conducted D3.js workshops, python programming labs and mentored projects on information visualization for a class of 200 students.

Khosla Labs, Bangalore — Full Stack Engineer Apr'14-Jul'15

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.

Mobitrix, Bangalore — Software Engineer Jun'13-Apr'14

Led development of the server architecture for Mobitrix, a p2p data streaming application in the BYOD space. The server relayed 500 concurrent multimedia streams & was backed by a custom load balancer.

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.

TECHNOLOGIES

DAY-TO-DAY COMFORT

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

EXPERIENCE WITH

Flask	Kafka
Pig	Socket.io
Maven	Android
Hibernate	HDFS

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

RELEVANT COURSES

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