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 — *Full Stack 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 clients.

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	MySQL

EXPERIENCE WITH

Flask	Kafka
Pig	Socket.io
Maven	Android
Hibernate	AWS

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 & Analysis
Visual Computing
Image Understanding