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*

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.

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