Deependra Singh

Contact Information	Data Scientist Groupon California, US	*E-mail:* dsingh@groupon.com deependra230@gmail.com *Mobile:* (+1) 650-471-2139

Work Experience

Data Scientist, *Member of Search and Advanced Personalization Team*
Groupon, Palo Alto, US   Oct, 2015 - Present

- Maintained and Integrated Click Model, a framework which learns query to category associations based on historical activity incorporating position normalization and time decay factors, into Groupon Search for North America market, effectively moving Search algorithms from manual to machine learnt, and registering a positive lift in revenues.

Data Scientist, *Member of Data Science Team*
Groupon, Chennai, India   Jun, 2014 - Sep, 2015

- Developed Email Engagement Model for United Kingdom market, a machine learning framework to predict the probability of a certain user opening an email given historical activity.
- Worked on Quantum Lead, a machine learning framework to optimize deal forecasting, and identifying the right category and price mix for each local market in the international region.
- Analyzing and Identifying insights into user activation, user engagement, incremental purchases, WAPP through data to optimize Groupon experience.

Summer Intern, *Member of Backend Engineering Team*
Zumbl, Delhi, India   May, 2013 - July, 2013

- Designed and developed algorithms for user matching, user avatar determination, credit system etc. based on user features for a chat platform.

Education

B.Tech in Computer Science and Engineering,   July, 2010 - May, 2014
Indian Institute of Technology Delhi   Delhi, India

- *Cumulative Grade Point Average*: 6.54/10

XIIth, Rajasthan Board of Secondary Education   July, 2009 - May, 2010
Children Academy   Alwar, India

- *Percentage*: 91.38%

Course Projects

- **Classification of Twitter users**   Aug, 2013 - Nov, 2013
  Clustering users based on the connotations of their tweets regarding a particular twitter trend using Naive Bayes.

- **Non Visual Desktop Access(NVDA), Open Source Screen Reader** July, 2013 - Apr, 2014
  Enhanced features for web browsers and added support for charts in Microsoft Excel, especially pertaining to visually impaired users, for the open source screen reader NVDA.
- **Pintos Project**   Jan, 2013 - Apr, 2013
  Implemented system calls infrastructure, extended the virtual memory implementation and file system support on the bare bones operating system for x86, Pintos.
- **Networked Multiplayer Carom Game**   Aug, 2011 - Oct, 2011
  Designed and Developed a multiplayer networked carom game in C++ using openGL for graphics and TCP for network calls.

Scholastic Achievements

- **IIT JEE**: Secured **AIR 462** (99.92 percentile) out of 0.5 million candidates appearing.   2010
- Scholarship from **Ministry of Human Development & Resources, Government of India** for consistent academic record.   2010-2014

VOLUNTEERING	**Mathematics Teacher**
	Make A Difference (MAD), Delhi, India 2013 - 2014

Mathematics Teacher
Make A Difference (MAD), Delhi, India   2013 - 2014

- Taught Mathematics for **class XIIth C.B.S.E.** to a group of 5 students living in a shelter home helping them successfully clear their exams.

English Teacher
Make A Difference (MAD), Chennai, India   2014 - 2015

- Taught basic English to a class of 30 freshmen living in a shelter home to help them cope up with the change in medium of instruction in college from Tamil to English.

SKILLS

- *Programming Languages*: Java, Python, C, C++, R, MATLAB, Hive, SQL, ML, VHDL