

Ankur Pandey

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OVERVIEW Machine learning/ Data science R&D. **4.5 years** of professional & research experience. Background in Engineering, Applied math, & Statistical learning.

MAY'13- JULY'14 **Data Scientist** at **Yodlee**, Bangalore

- Worked on setting up a system to identify merchants & geolocation out of unstructured transaction descriptions. Developed an approach to sample & test for accuracy.
- Worked on a model to predict **consumer spending at retailers**, user income, etc.
- Participated in **Big Data & Hadoop Developer training**, July '13.
- Also responsible for setting up a Data science team, identifying relevant problem areas, and training & outreach.

FEB'12- APRIL'13 **Analytics Consultant** at the R&D team of Data Science group, Innovation Labs, **[24]7 Inc.**, Bangalore

- Developed a generic approach to **categorize pages of large websites** & construct an automated ontology. It significantly improved the prediction of users' purchase propensity.
- Developed a **survival analysis** model to predict users' likelihood to stay on webpages.
- Developed frameworks & models in **IVR** system deployed for a client. Improved the prediction of users' identity & intent.
- Presented an idea which won **Ideon**, the **[24]7 Inc. innovation event**, held across Bangalore & Bay area offices.
- Invited talk at **The Fifth Elephant**, a conference on the big data ecosystem, July 2012, Bangalore.

AUG'11- DEC'11 **Researcher** at the Dept. of Computer Science and Automation
Indian Institute of Science, Bangalore
also, Non-degree student at **National Institute of Advanced Studies**

AUG'10- JUNE'11 **Research Scholar** at the Dept. of Computer Science and Automation
Indian Institute of Science, Bangalore
Field: Information Theory and Statistical Learning

JAN- MAY'10 **Visiting Faculty** at the Dept. of Math., Electrical Engg., Electronics & Communication Engg.
Motilal Nehru National Institute of Technology, Allahabad
Taught courses in Image Processing and Engg. Mathematics. Assisted PhD students

EDUCATION **Graduate Certificate in Public Policy**, Oct. '14- Dec. 2014
Takshashila Institution, Bangalore
a 12 week course for a select group, on public policy & governance.

Diplom-Ingenieur (Master's Degree in Engineering) in Industrial Mathematics, Aug. 2009
Johannes Kepler Universität Linz, Austria
Thesis title: *The Relation of Dominance* (Fuzzy logic and Fuzzy control)

Master of Science in Industrial and Applied Mathematics, June 2008
Technische Universiteit Eindhoven, The Netherlands

Intern, 2005- '07
National Institute of Advanced Studies, Bangalore
Topic: Adaptive Segmentation of MRI Images

Bachelor of Technology in Electrical and Electronics Engineering, May 2007
National Institute of Technology Karnataka, Surathkal

COMPUTING
SKILLS

- Programming languages: Python, MATLAB/Octave.
- Data gathering: Lucene, Scrappy, Beautiful Soup, etc.
- Data processing: NLTK, OpenNLP, Stanford NLP tools, AWK, etc.
- Data modeling: R, KNIME, Weka, scikit-learn, NumPy, SciPy, Gensim, Mallet, LIBSVM, etc.
- Databases: MySQL, Apache Hadoop/Hive, etc.
- Operating systems: Windows, Unix/Linux.

PAPERS

Ankur Pandey, *The Relation of Dominance*, Advances in Knowledge Based Technologies, Joint FLLL/SCCH (Fuzzy Logic Laboratorium Linz/ Software Competence Center Hagenberg) Seminar, April 2009.

A. Anand, A. Pandey and N. Kumar, *Adaptive Segmentation of Magnetic Resonance Imaging Data and the Firebreak Algorithm*, Proceedings of Biomedical Engineering Conference, September 2006.

HONOURS

European Commission's **Erasmus Mundus scholarship worth EUR 42000**, 2007- '09.

Selected in Mathematics Training and Talent Search Programme, sponsored by **National Board for Higher Mathematics**. May- June 2007, Mumbai.

Delivered an invited talk at Department of Computer Science and Engineering, **The Chinese University of Hong Kong**. September 2006.

CO-CURRICULAR

Undertook modeling project in **European Student Workshop on Mathematical Modeling in Industry and Commerce**. August 2008, Eindhoven.

Participated in **European Summer School in Logic, Language and Information**. August 2008, Hamburg.

Data science bookmarks: <https://delicious.com/ankurpandey/data%7Cstats>, & *twitter* handles: twitter.com/ankurpandey/data-science/members

Public policy blog: unpoliticallyincorrect.quora.com

EXTERNAL WORK-
AUTHORIZATION

Valid United States B1/B2 visa.