Ankit Patil

(716) 566 0698 | ankitpatil2010@gmail.com | 136 Englewood, Buffalo, NY 14214

EDUCATION:

University at Buffalo, The State University of New York *Aug '13 – Dec '14*
Master of Science, Computer Science *CGPA-3.46/4*
Pune Institute of Computer Technology, University of Pune *Aug '07 – June '11*
Bachelor of Engineering, Computer Engineering *CGPA-3.40/4*

TECHNICAL SKILLS:

Data Science: Regression, Classification, SVM, Neural Networks, Time series analysis, Hadoop
Courses: Advanced Machine Learning, Pattern Recognition, Information Retrieval, Distributed Systems
Software Development: J2EE, SVN, Eclipse, JIRA, PMD, BIRT, Apache Ant, RCA, Design Patterns, Agile Scrum
Languages: Java, C, R, Matlab, Javascript
Frameworks/Database: Spring Webflow, Hibernate, Apache Solr, Apache Lucene, DB2, MS SQL Server
Front-end: HTML, CSS, JSP, Freemarker, Bootstrap, jQuery

EXPERIENCE:

Orchestro Inc. – Data Scientist Intern *(McLean, VA, USA)* *May '14 – Aug '14*
- Identification of periodic patterns in sales data and its use in forecasting.
- Effect of external factors such as temperature, unemployment etc. on sales.

ACI Worldwide Inc. - Associate Software Engineer *(Pune, India)* *July '11 – June '13*
- Full stack developer for web based Enterprise sales and support product for Kasikorn Bank, Thailand.
- Onsite requirement gathering, SIT and UAT development support, training freshers, performance improvement, server-side optimizations, trained freshers, client interactions.
- Involved in batch processing, front-end development, high level and low level estimates.
- Worked on a high defect module of Bulk Leads and delivered it within deadline

Clogeny Technologies Pvt. Ltd. – Intern *(Pune, India)* *Aug '10 – Mar '11*
- Explored trends and problems in Cloud Computing under project aDICIOn

ARTIFICIAL INTELLIGENCE / DATA SCIENCE PROJECTS:

Sales prediction by analysis in Frequency domain – *Signal Processing, Machine Learning, R*
- Determining periodic trends in highly noisy sales dataset using Fourier analysis
- Isolating periodic trends and using it for prediction

Question-answer system – *Information retrieval, Java*
- Web based system using Apache Solr indexing Wikipedia infoboxes
- Indexed over 10,000 infoboxes and supported free form questions

Keystroke minimization on Smart Phones – *Machine Learning, Matlab*
- Use of Bayesian Network based Next Word Predictor
- WhatsApp chat history containing messages in Hindi and English used as training set
- Probability of the next word determined by transition probability of the parent node to the child node

aDICIOn – *Cloud IaaS, Machine Learning, C, Ubuntu*
- Designed evolving strategy of memory provisioning of Virtual Machines
- Online analysis of Virtual Machines memory usage and identifying usage pattern using clustering
- Adaptive model to accommodate unpredictable and varying usage

Classification of handwritten numerals – *Machine Learning, Matlab*
- Used Neural Networks and Logistic Regression to classify handwritten numerals defined by features.
- Weights associated with individual features were determined in training set.

Regression on web search ranking dataset – *Machine Learning, Information Retrieval, Matlab*
- Used Microsoft LETOR 4.0 datasets to train regression model and regularization to overcome over-fitting.

ACHIEVEMENTS:

Winner of a national level paper presentation competition for a paper based on aDICIOn.
Winner of inter college competitive C programming competition.

LinkedIn Blog