Nimesh K Verma

nimesh.aug11@gmail.com
+91 9911616971,   GitHub Link

Education

Indian Institute of Technology, Delhi   (July 09 – Jun 14)

Integrated M.Tech **Mathematics and Computing**   **7.12 CGPA**

Professional Experience

Software Engineer at **Housing.com**, Mumbai, India   (Mar 14 – Nov 15)
Data Science Lab

- **Broker Rating**: Designed & implemented the architecture to derive ratings from data and user-generated feedback
- **Buy Platform Search**: Built APIs for computation of KPIs from events captured, to generate scores for search ranking
- **Analytics Cron Framework**: Developed a reliable & scalable system to pull events from G.A & generate analytics DBs
- **Map-based Visualizations**: Conceptualized and built an Interface for monitoring KPIs at the locality level on Maps

Software Engineer at **LinkedIn - SlideShare**, Gurgaon, India   (Aug 14 – Feb 15)
Recommendations Team

- **Built scripts** for capturing user triggered events, used for generation of **recommended** slideshows
- Studied existing *Collaborative-Filtering* **algorithm** for recommendations & **suggested** improvements
- Programmed **scripts** to monitor search & related metrics along with rectifying errors which cropped up

Internships

Fraud Detection & Prevention Application, Paytm   (May 13 - July 13)

- Built customer profiling **software** for **fraud detection, prevention & predictive analysis** in payments
- Proved **software's efficiency** by seizing significant wallet cash & blocking potential fraud users

ERP Software-prototype, See Ahead Consulting Ltd.   (May 12 - July 12)

- Developed a **cloud based product** prototype for storage; analysis of actual & budgeted data
- Built scripts to migrate data from clients & generate descriptive reports by analyzing data

Projects

Open Source Contributions,   (Sep 15 - May 12)

 Developed the following Packages for Python Package Index:

- **MongoJoin**, provides SQL-like joins in MongoDB, to fetch related data from two or more collections. GitHub Link
- **MongoSchema**, provides concise analytical descriptions of a collection's schema in MongoDB. GitHub Link
- **PostgresCloner**, allows the user to clone a list of tables from a Postgres database to another. GitHub Link

Online Data Stream Mining (Master's Project)   (May 13 - Jun 14)

Implemented & combined following algorithms for mining frequent itemsets in online data streams to enhance performance:

- Mining Frequent Itemsets within a Transaction-sensitive Sliding Window
- Finding Frequent Itemsets by Fuzzification of support in conjunction with Jumping window

Counseling System for Department Allotment, Software Engineering   (Jan 12 - May 12)

- Built software to allot department by profiling applicants, subject to college guidelines & students' choices
- Adopted Gale-Shapley algorithm & Water-Fall model, performed white-black box & Integration testing

Extra-Curricular Activities

Entrepreneurship

- *Politiceye.com,* Conceptualized & built a social networking site to share & review political views
- *Boozepanda.com,* Created a website for catalogs, deals & events at nightlife junctions in NCR

Redefine, Housing.com Hackathon: WorkLogger

- Developed a product to allow users to record & track progress of the Tasks done in Professional & Personal Projects.

Yahoo Hack U: Poll Eye, Social Network for Polling

- Built the prototype of an online platform for users to ask, answer & analyze polls as a hack
- Analyzed poll's data to provide real-time statistical reports, charts & predictions to every user

B Plan: ICICI Trinity

- In a team of 3, conceived the idea of Text-Free mob banking app for illiterate & elderly customers
- Critically analyzed customers by surveys & developed android app with easily interpretable GUI
- Amongst top 6 teams in India; demonstrated app to Executive Director, ICICI in Prototype Round

Interests

Brainstorming on Products, Blogging, Reading Novels, Sketching, Cooking.