

Shivendra Soni

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SAP Labs, Bangalore India

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Experience

Associate Developer

SAP Labs, India

June 2014 – Present (10 months) Bengaluru Area, India

Technologies: SAP HANA, Lumira, D3.js & jQuery

1. Appointed as Dev Lead within just two months of joining & led a team of 5 developers, which included experienced colleagues as well.
2. Multi-Dimensional Data Visualizations for Industries
3. Created a Late night cab allocation algorithm for use by Transport team at SAP

Data team Intern

Wikasta Business and Technical Solutions Pvt. Ltd.

January 2014 – May 2014 (5 months) Jaipur

Technologies : Scrapy, MySQL, MongoDB, Flask

Scraping Angel.co, cleaning organizing the data and storing it. Built Collaborative filtering based recommendation system & analyzed the accuracy on different percentage of the entire dataset and also tested performance metrics of the two databases.

Patents

Multi-dimensional analysis of Data for Industries

United States SAP Ref.: 150093

Filed February 20, 2015

The patent pertains to capturing data of high dimensionality and converting it to cross table data sets. Finally this data, pertaining to various industries was structured and used to create custom interactive visualizations for SAP Lumira (Self serviced BI Tools)

Education

- B.Tech IIIT-Allahabad [India] CGPI: 8.13/10
- Senior Secondary (10+2) (2008-2009) - 91.25 % (ISC Board)
- Secondary (2006-2007) - 92.2 % (ICSE Board)

Notable Achievements

- **Filed a Patent for Multi-Dimensional Data Analysis for Industries.**
- Among the 15 Finalists for Intel **IoT Roadshow Hackathon**, India among 150+ teams.
- Second Runners Up – **What the Hack** (SAP's hackathon) among 100+teams.
- Won 'Net Idea Innovation Challenge' at Organized by '.Net Foundation and Tata Communications' Rendezvous '12, IIT-Delhi competing against participants from institutes like IIT-D, IIT-K, IIT-KGP, IIIT-H.
- Successfully completed tenure as the Secretary of Literary Society at IIIT-Allahabad.
- Selected to present elevator pitch along with only 50 others, selected nationwide at **Economic Times Power of Ideas**, 2009
- Won 2nd prize at GeoQuiz, Geography Quiz at International Geography Olympiad, 2007.
- Won 1st prize Bite your Byte, programming sprint contest at MacFair International Maths and Computer Convention, 2006 at City Montessori School

Areas of Interest

- Web Development
- Data mining & Machine Learning algorithms
- Business Intelligence

Skill Set

- **Programming Languages:** C/C++ , Python, R (basic)
- **Scripting Languages :** Javascript, Ruby
- **Libraries Explored:** D3, Apache Solr, RoR Ecommerce, geocoder, Devise ,ScraPy, NLTK, NumPy, WebGL
- **Testing Frameworks:** Jasmine, Rspec with Spork
- **Frameworks frequented:** Ruby on Rails, Ember.js, Backbone.js, Django (Basic), Cake PHP
- **Server Side Scripting:** PHP, Ruby
- **Database Management Systems:** MySQL, MongoDB, CouchDB
- **Front End framework:** Bootstrap, Foundation

Academic Projects

- Applying Machine Learning techniques to Minix Process Scheduler
- Analysis of Effects of various factors on Workday Loss in Coalmine Industry Incident
- Socially Augmented Hybrid Recommendation Engine (SAHRE)
- E-commerce Web Application with Recommender System
Built from scratch a modular E-Commerce web app in PHP following 3-tier architecture.
- Employee Appraisal Tracking System (JAVA, MySQL, Swing)
- Market Basket Analyzer using Apriori Algorithm

Open source projects & contributions [github.com/shivendrasoni]

Projects

- EmberBlog : Simple blog app built to leverage ember-cli & node.js
- SAHRE : Socially augmented recommender system (PHP)
- Coalmine industry workday loss analysis
- Shelfari: Simple CRUD application using Backbone.js & Django.
- Geocoding: App to convert address to geo-coordinates & vice versa.
- Gmail Contact Grabber: Demo for OAuth 2.0 & Google Contact API v3
- Instructions Overlay Module: Gmail like instructions overlay library.

Contributions

- SAP Lumira Extensions
- RoR E-commerce (second largest E-commerce app for Rails)
- GioCo (Gamification gem for Rails)

Independent Course Work

- Social Network Analysis – Coursera
- Machine Learning – Coursera
- Gamification – Coursera
- Web Application Architectures - Coursera