Gurupad S. **Hegde**

SOFTWARE ENGINEER · DATA SCIENTIST

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"Numbers have an important story to tell. They rely on you to give them a voice."

Education

SV National Institute of Technology   *Surat, INDIA*

B.TECH IN COMPUTER ENGINEERING   *July 2007 - May 2011*

Experience

Amazon.com - Amazon India Development Center   *Hyderabad, INDIA*

SUPPORT ENGINEER (TRANSPORTATION AND LOGISTICS)   *September 2013 - Present*

- Responsible for Automation of **Shipping Labels** and Manifests Generation Process
- Subject matter expert in technical details of **on-boarding new shipping partners** and network expansion
- Technical Expertise in **Hazmat** Labels and **Barcode** technology
- Successfully saved more than **5000 man hours** annually for my team as a result of automation and self served data transformations

Inputo.com - Inputo Technology Solutions   *Hyderabad, INDIA*

SOFTWARE ENGINEER (DATA SCIENCE)   *October 2011 - June 2013*

- Mining insights from complex unstructured text data for Social Audits conducted by Society for Social Audit, Accountability and Transparency (SSAAT) on National Rural Employment Guarantee Scheme (NREGS). (Submitted report was also discussed in Satyameva Jayate Season 2)
- Analyzing and mining patterns for implementation of NREGS scheme covering almost 30 million wage-seekers (more than **500 million transactions**) in the state of Andhra Pradesh
- Gathering and integrating additional data sources (like census) to support and enhance the insights and provide **statistical data quality processes** for these data sources
- Apply machine learning algorithms to analyze the big data and generate models that can be applied to the field level execution

Honors & Awards

INTERNATIONAL

2013	**1st Place** ,	Quora Machine Learning CodeSprint	*Hackerrank.com*
2013	**5th Place** ,	StumbleUpon Evergreen Classification Challenge	*Kaggle.com*
2013	**25th Place**,	Cause-Effect pairs	*Kaggle.com*
2013	**96th Place**,	My Overall Best Rank in Kaggle	*Kaggle.com*
2012	**7th Place** ,	Predict collegiate basketball scores (March Madness)	*Crowdanalytix.com*

DOMESTIC

2010	**5th Place**,	UCSD/FICO Data Mining Contest	*Ucsd.edu*
2010	**1st Place**,	ACM Quest Paper Presentation("Employing GPUs for Machine Learning")	*SVNIT, Surat*

Projects

Optimizing Data Mining Process Using Graphic Processors   *SVNIT, Surat*

FINAL YEAR DISSERTATION   *July 2012 - April 2013*

- Successfully implemented **Bitmap based Apriori Algorithm** on both CPU (using C++) and NVIDIA Graphics Processor (using **CUDA**)
- Efficiently used **SIMD** (Single Instruction and Multiple Data streams) architecture of GPUs and achieved significant performance speedup

Skills

Programming	**Python**, JAVA, C++ (with STL), C
ML and Data Science	Scikit-learn, nltk, pandas, numpy, Hadoop, Spark, D3.js