

Gurupad S. Hegde

SOFTWARE ENGINEER

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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

B.TECH IN COMPUTER ENGINEERING

Surat, INDIA

July 2007 - May 2011

Experience

Amazon.com - Treasure Truck

SOFTWARE DEVELOPMENT ENGINEER

Seattle, US

January 2017 - Present

- Responsible for Automating Offer Life Cycle
- Major contributions in expansion of program across multiple cities and countries
- Subject matter expert in system sending **notifications to millions of subscribers**
- Used workflow to automate most of the manual tasks and validations on system state

Amazon.com - Amazon India Development Center

PROGRAMMER ANALYST (CUSTOMER RETURNS, RETAIL TRANSPORTATION AND LOGISTICS)

Hyderabad, INDIA

September 2013 - January 2017

- Responsible for Automation of **Shipping Labels** and Manifests Generation Process
- Subject Matter expert on Scaling and troubleshooting mammoth applications which caters traffic volume of millions of requests
- 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

SOFTWARE ENGINEER (DATA SCIENCE)

Hyderabad, INDIA

October 2011 - June 2013

- 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 (Report was discussed in famous show, Satyameva Jayate)
- Apply machine learning algorithms to analyze the big data and generate models that can be applied to the field level execution

Honors & Awards

HACKATHONS

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| 2013 | 1st Place , Quora Machine Learning CodeSprint | Hackerrank.com |
| 2016 | 4th Place , Re-Date your Data | Internshala.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 |

Projects

Optimizing Data Mining Process Using Graphic Processors

FINAL YEAR DISSERTATION

SVNIT, Surat

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

Skills

Programming Python, JAVA, C++ (with STL), C

ML and Data Science Scikit-learn, nltk, pandas, numpy, D3.js