



Naveen Marri

📧 naveenkumarmarri  naveen-marri  naveen-marri

Email : navmarri@iu.edu

Mobile : +1-812-671-1283

EDUCATION

- **Indiana University Bloomington** Bloomington, IN
Master of Science in Computer Science *Aug. 2017 – Present*
- **Sri Venkateswara University College of Engineering** Tirupati, India
Bachelor of Engineering in Computer Science and Engineering; GPA: 3.66 *Aug. 2009 – July. 2013*

EXPERIENCE

- **Indiana University Bloomington** Bloomington, IN
Graduate Assistant *Aug 2017 - Present*
 - **Graduate Assistant - IoT:** Part of Center Research for Extreme Scale Technologies Lab researching running machine learning algorithms on resource constrained devices. Integrated CoAP protocol based messages from sensor network to Twitter Heron.
- **SAP Labs** Bangalore, India
Data Scientist *Apr 2015 - Aug 2017*
 - **Apache Spark:** Worked on Apache spark implementing various custom iteration intensive machine learning algorithms and MLlib, written in Scala and Python
 - **SAP HANA:** Implemented Association rule mining(FPGrowth),Network analysis for complex graphs in SQL.
 - **Dev Environment and deployments:** Created Docker containers for seamless deployment using Jenkins for deploying machine learning models.
 - **Strategic Projects MD's office:** Worked for MD's office for building analytics application for optimal selection of players based on opponent's weaknesses.
 - **Recommender System:** Built collaborative filtering based recommender system for recommending products to users, implemented at scale.
 - **Approximation algorithms:** Researched on similarity of high dimensional data and implemented random walk based approximation algorithm for similarity
 - **Mobile World Congress:** Built solutions on Hadoop and Apache spark (distributed computing environments) as part of demo for MWC(Mobile World Congress)
 - **Query engine:** Built generic tool for converting sentences to queries for databases using Named Entity Recognition, Latent Dirichlet Allocation.
 - **High dimensional clustering:** Implemented a pending patent, supervised version of clustering for 13Billion records.
 - **Graph pruning algorithms:** Did extensive research on pruning obvious features for graph networks for big data
 - **Data flattening:** Implemented a novel data flattening techniques which is to be consumed by classification and regression models
- **Accenture** Bangalore, India
Associate Software Engineer *Dec 2013 - Mar 2015*
 - **Auto scaling:** Worked on auto configuration of servers using Chef Opscode, written in Ruby.
 - **Development:** Developed java based web applications using servlets, JSP, ODATA , Restful web services.
 - **Optimization:** Wrote custom build tool to reduce the build time from 2 hours to 17 minutes

TALKS

- **Scalable machine learning and performance based advertising** Bangalore, India
Keynote presentation at SAP TECHED *Oct 2015*
 - : Introduced scalable machine learning concepts, proposed solutions to deal with intricacies in learning algorithms

TECHNOLOGY STACK

- **Distributed systems:** Apache spark, Hadoop
- **Programming languages:** Java,SQL,Python, Scala
- **Cloud Stack:** Cloud foundry,SAP Cloud Platform
- **Predictive analytics:** PredictionIO, MLlib(Apache spark),scikit learn
- **Version Control:** Git, svn
- **Data science algorithms:** Ridge,Lasso Regression, Random forest,Association rule mining, anomaly detection,KNN