

# Naveen Marri

📧 naveenkumarmarri   🌐 Web   📄 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*
  - **deeplearning.ai**: Completed specialization track of 4 courses on deeplearning offered by deeplearning.ai
- **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 Research Assistant** : 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.
  - **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, Storm, Heron
- **Programming languages**: Java,SQL,Python, Scala
- **Cloud Stack**: Cloud foundry,SAP Cloud Platform
- **Predictive analytics**: Tensorflow, MLLib(Apache spark),scikit learn
- **Version Control**: Git, svn
- **Data science algorithms**: Ridge,Lasso Regression, Random forest,Association rule mining, anomaly detection,CNN,RNN