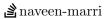
Naveen Marri

• naveenkumarmarri

in naveen-marri



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### **EDUCATION**

# Indiana University Bloomington

Master of Science in Computer Science

Bloomington, IN Aug. 2017 – Present

### Sri Venkateswara University College of Engineering

Bachelor of Engineering in Computer Science and Engineering; GPA: 3.66

Tirupati, India 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 Dirchlet 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

o: 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