

# Gandhar Kamat

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## SUMMARY

5+ years of experience in distributed technologies and the cloud. Currently pursuing MS in Analytics, adept at collecting, analyzing, and interpreting large datasets, developing new forecasting models and performing data management tasks.

## CORE COMPETENCIES

- **Programming:** Python (Numpy, Pandas, Scikit-learn), R, SQL, Java, Bash
- **Tools:** AWS, Tableau, Selenium, Git, Kubernetes, Docker, Ansible, Terraform, MATLAB
- **Frameworks:** Apache Spark, Hadoop, Apache Kafka
- **Databases:** MySQL, MongoDB, Elasticsearch

## EDUCATION

**Georgia State University, J. Mack Robinson College of Business**

**Atlanta, GA, USA**

MS in Data Science and Analytics (Big Data Analytics)

December 2020

**Relevant Coursework:** Data Management for Analytics, Data Programming, Data Visualization, Statistical Foundations

**National Institute of Technology**

**Goa, India**

B. Tech. in Electronics and Communication Engineering

June 2014

**Thesis:** Filter based on Operational Transconductance Amplifier ( IEEE - <http://goo.gl/QEv1dn>)

**Relevant Coursework:** Computer Programming, Information Theory and Coding, Speech and Image Processing

## PROJECTS

- Achieved **RMSLE of 0.112** on house prices dataset of Ames, Iowa, with **Voting Regressor** using multiple machine learning models in the ensemble.
- Performed **Sentiment Analysis** and **Topic Modelling** on movie review data from Rotten Tomatoes and IMDB for Toy Story 1/2/3/4, achieving **94% accuracy** in Binary Classification.

## EXPERIENCE

**Graduate Research Assistant**     **Institute for Insight, Georgia State University, Atlanta, GA, USA**     **Aug 2019 - Now**

- Developed machine learning models to predict the likelihood of undergrad students to pursue higher degrees.
- Achieved **97% precision and 83% recall** using Voting Classifier.
- Worked on Exploratory Data Analysis, data cleaning and transformations.

**DevOps Engineer SDE-II**

**Dream11 Fantasy, Mumbai, India**

**Aug 2018 - July 2019**

- Designed and automated ETL workflows using python, apache kafka, kafka connect, debezium.
- Led the migration of an application on EC2 to a dockerized production workload using kubernetes, capable of handling massive traffic (4 million requests per min).
- Designed and deployed an algorithm to production which scales Apache spark clusters to match the projected usage, saving 40% cost of infrastructure (AWS Lambda, Cloudwatch, EC2).
- Created an automated solution for spawning complete replicas of production environment for functional/integration/load testing automation. (Terraform, ansible, python)

**DevOps Engineer**

**LogiNext Solutions, Mumbai, India**

**Jul 2016 - Jan 2018**

- Developed ETL pipelines for time series location data from MySQL, MongoDB and Elasticsearch.
- Led the development of python microservices to generate alerts based using tracking information of delivery executives and long haul drivers.
- Introduced relevant indices, adjusted DB parameters, tuned Linux OS for MySQL, MongoDB and Elasticsearch. Deployed MongoDB replica sets and MySQL replicas in production for high availability.
- Migrated the production environment from a monolithic architecture to Service Discovery using Netflix Eureka, with auto-scaling groups in AWS while maintaining infrastructure cost.
- Built and administered multiple environments on-premises and in the cloud (AWS, IBM Bluemix, Alibaba Cloud) using ansible, fabric and python.

***Software Engineer***

**Tesco Technology, Bangalore, India**

**Jun 2014 - Jun 2016**

- Participated in strategic decision making of choice of automation tools based on specific requirements of projects and limitations of tools and environments.
- Conducted training workshops for stakeholders and new employees. Explored prospective technologies and tools.