

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

J. Mack Robinson College of Business, Georgia State University **Atlanta, GA, USA**
MS in Data Science and Analytics December 2020

Relevant Coursework: Data Management for Analytics, Statistical Foundations, Machine Learning, Predictive Analytics, Scalable Data Analytics, Deep Learning

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>)

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 **Starr Insurance, Atlanta, GA, USA** **Jan 2020 - Now**

- Developing models to flag potentially high value insurance claims in the first 6 months of the claim lifecycle.
- Working with time series transactional data, deriving insights and performing feature engineering. (PowerBI for viz)

Graduate Research Assistant **Andrew W. Mellon Foundation** **Aug 2019 - Dec 2019**

- Developed machine learning models to predict the likelihood of undergrad students to pursue higher degrees.
- Achieved **97% precision and 83% sensitivity** using Voting Classifier.

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.