

KRISHANU PRABHA SINHA

☎ 832-774-8675 | ✉ krishanusinha12@gmail.com | [in/krishanu-prabha-sinha/](https://www.linkedin.com/in/krishanu-prabha-sinha/) | github.com/KrishanuSinha |

Summary

Experienced Data Professional with AWS Certification and interpersonal skills. Seeking to be part of the revolution that is going to redefine how companies leverage data

Professional Experience

STATEFARM, Bloomington, Illinois

Data Scientist/Python Developer

September 2018 - Current

- Developed and deployed a web based data science tool using **Python, Flask, HTML/CSS, Javascript, React** that guides user through generic feature identification processes. This tool **automates data summarizing, cleaning, visualization, and analysis and outputs data features** impacting target and confidence from those features. Users without machine learning coding experience (Python/R/SAS) can benefit without the need for a dedicated Data Scientist.
- Built and deployed ML Model that was able to classify insurance claims that were **Closed with Payment** and **Without Payment** in AWS Sage maker.
- Implemented **AWS Step functions to automate and orchestrate the Amazon SageMaker** related tasks such as publishing data into **S3**, training ML model and deploying it for prediction.
- Performed **data cleaning EDA** using **seaborn** on the data to find useful insights, outliers, and missing values on **structured and unstructured data**.
- Build a predictive model to predict the gender of candidates using **LSTM and Skip - Gram models**. Achieved an accuracy of **85%** on the initial test dataset.
- Sentiment Analysis of Statefarm Insurance Blogs using NLP techniques like **GloveVecs, Doc2Vecs, LSTMs, LDAs, CNN** to classify readable from non-readable.

Samsung Research Institute, India

Data Engineer

October 2012 – August 2016

- Implemented cloud policies, managed technology requests and maintained service availability.
- Assessed organization technology and managed **cloud migration process**.
- Created **Lambda functions with Boto3** to perform various data enrichment on ingested data.
- Extracted data using **SQL** queries in Tableau to design a Dashboard for insights and Key Trends.
- Analyzed Large Business Data-sets to provide Strategic Direction to the company using Data Analytics.
- Used Statistical Techniques for Hypothesis Testing to validate Data and Interpretations.
- Presented Findings and Data to the team to improve Strategies and Operations.
- Gained a good understanding of Hadoop ecosystem tools like **apache spark**
- Created Tableau Scorecards, Dashboards and other data visualizations using tableau desktop. **technical environment: RDBMS, SQL, Python, Tableau, Pyspark.**

Education

University Of Houston at Clear Lake

Masters in Data Analytics

August 2016 - May 2018

Visveswaraya Technological University

Bachelor In Computer Science

September 2008 – June 2012

Technical Skills

- **DATA SCIENCE SKILLS** :Machine Learning, Data Collection, Python, Data Preprocessing, Natural Language Processing, Data Visualizing, Recommendation System, Neural Networks, Time Series Analysis, Flask Model Deployment, AWS Sagemaker
- **DATA VISUALIZATION TOOLS**: Tableau, Matplotlib, Seaborn
- **PYTHON WEB DEVELOPMENT** :grequests, urllib, urllib2, Beautifulsoup, celery, pickle, jinja2, itertools, lxml, matplotlib, Pandas, Numpy, Javascript, React.
- **AWS Services** :Amazon S3, EC2, RDS, IAM, Elastic Load Balancing,Auto Scaling, Cloudwatch, SNS, SQS, SES, Lambda, EMR, Redshift, Boto3, DynamoDB

DATA SCIENCE PROJECTS

- Classifying Youtube Videos based on Textual Data and Statistics
- Determining Factors Impacting the retention rate in US Universities