# Keshav Sarda

*Data Scientist*

Experienced **Data Scientist** and **Machine Learning Engineer** with additional experience on **Cloud Platforms** like **AWS** and **GCP**.
Motivated and Ambitious to learn, grow and excel in solving complex problems and having excellent communication skills.

## Contact

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### Profiles

- **GitHub**
- **AWS Certifications**
- **GCP Certifications**
- **Medium**
- **Freelancer**
- **LinkedIn**

## Education

2013-08 - 2018-12
**Bachelor of Science: Physics**
*IIT* - Kanpur

## Skills

Python
■■■■■
Excellent

R
■■□□□
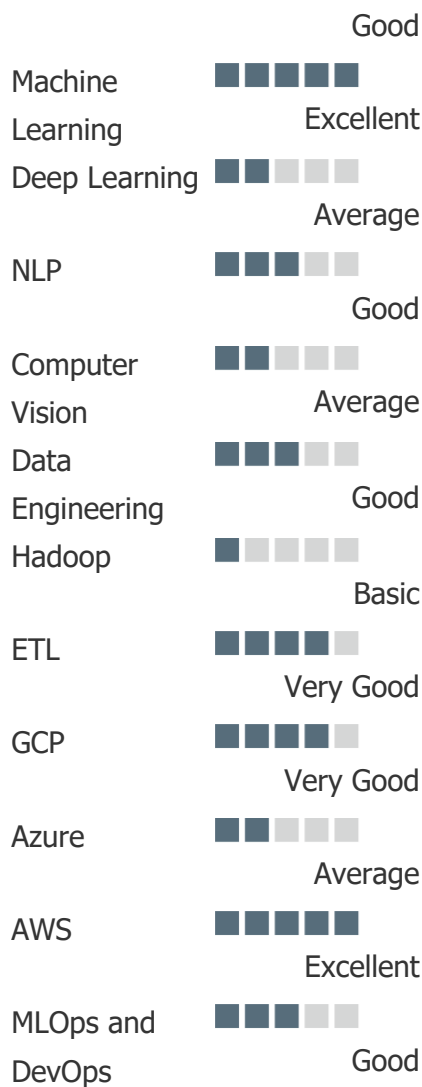Average

SQL
■■■□□
Good

PySpark
■■■□
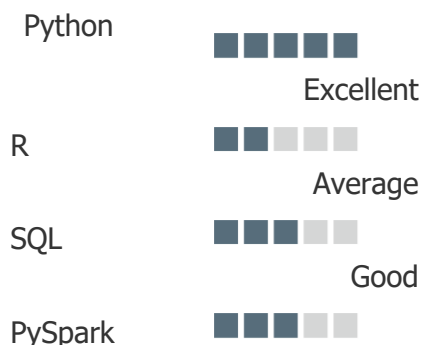
## Work History

**2019-07 - Current**

### Associate Consultant Technology

*Virtusa, Hyderabad, Telangana*

- Implemented and experienced with **Regression**, **Classification**, **Supervised** and **unsupervised** techniques and Machine Learning Algorithms like **Linear**, **Logistic**, **Multinomial Regression**, **Random Forest**, **Decision tree**, **SVM**, **KNN**, **Clustering**, **PCA**, **Naive Bayes**, **Deep Learning** and **Neural Networks**, **ARIMA**, **LSTM**, etc.
- Performed and expert with data analysis and model improving techniques like **EDA**, **Feature engineering**, **Dimensionality Reduction**, **Hyperparameter tuning**, etc.
- Deployed end-to-end **ML Pipeline** using **AWS Sagemaker**, **MLFlow**, **Docker Containers**, **Kubernetes**, **CI/CD pipelines, MLOps** and **DevOps** techniques and tools.
- Implemented various workflows using **Cloud AI Services** like **AWS Textract**, **Translate**, **Comprehend**, **Polly**, **GCP Speech-to-text**, **Text-to-speech**, **Natural Language**, **Vision AI**, **Recommendation AI**, **Vertex AI**, **AutoML**, etc.
- Managed and monitored 900+ **Cloud Big Data ETL Pipelines** using **GCP BigQuery**, **Dataflow**, **Dataproc** (**Hadoop**), **Cloud Storage**, **DataStudio**, **Stackdriver**, **PubSub**, **Cloud Function**, etc to migrate on-prem data.
- Implemented transform jobs using **PySpark** on **Azure Databricks**.
- Experienced with **Python, SQL**, **PySpark**, R, **Scikit-**

| Skill | Level |
|---|---|
| Machine Learning | Good |
| Deep Learning | Excellent |
| NLP | Average |
| Computer Vision | Good |
| Data Engineering | Average |
| Hadoop | Good |
| ETL | Basic |
| GCP | Very Good |
| Azure | Very Good |
| AWS | Average |
| MLOps and DevOps | Excellent |

**Learn**, **Pandas**, **TensorFlow**, **Keras**, Excel, **MLlib**, etc.

**2018-07 - 2019-07**

## Research Consultant

*WorldQuant, Mumbai, Maharashtra*

- Developed around **125+ stock market strategies** using **Statistical** and **Machine Learning** techniques.
- Implemented **Multivariate Regression**, **Statistical Modelling**, **Predictive Analysis** and various **Statistical methods** to **preprocess/clean data** and created market strategy.
- **Backtesting** strategies using **Python/R** in order to check **performance** on **historical data**.
- Achieved average **Sharpe Ratio** of **2.00+** and **fitness** of **1.50+** with **correlation** with pool of less than **0.5**.

## Other Experience

- Developed **Speech to Text Analytics workflow** using **GCP speech-to-text** which outputs **user wise sentences** as csv file.
- Developed **real time pipeline** to do **sentiment analysis** on **documents** uploaded to **Cloud Storage** using **GCP Natural Language**.
- Developed **Advanced NLP Search** using **AWS Textract**, **Comprehend** and **Elastic Search**.

## Certifications

- **AWS Machine Learning Specialty - March'21**
- **GCP Professional Cloud Architect - March'21**
- **AWS Developer Associate - May'21**
- **AWS Solutions Architect Associate - July'20**