

# Priya Sathish

## PROFILE

Data Scientist with a strong background in Programming, Data Analytics and Management, Machine Learning and Deep Learning with current training on AWS SageMaker to quickly build, train and deploy models at any scale.

## CONTACT

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## CURRENT PROJECTS

<https://github.com/glazenda/>

## TECHNICAL SKILLS

Python (Scikit, Numpy, Pandas, Scipy, Tensorflow, Matplotlib, Geopandas), R, Jupyter Notebook, PySpark, C, C++, C#, VB, PB, PL/SQL, Oracle, SAP, AWS, PM/QM/SCM, MS Access, Excel VBA

## FUNCTIONAL SKILLS

Data Management / Wrangling, Exploratory Data Analysis / Visualization, Statistical Modeling, Predictive Modeling, Machine Learning, Deep Learning, AWS

## REFERENCES

Kevin Glynn  
Data Science consultant – Advanced Analytics Consulting  
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## WORK EXPERIENCE

### Springboard - Data Science Fellow (2019 – Present)

- Mastering skills in Data Wrangling, Data Visualization, Statistical Inference, Machine Learning, Software Engineering for Data Science, NLP and Deep Learning.
- 1. 'Predicting Market Penetration of Alternative Fuel Stations and Vehicles in United States': Implemented ARIMA and LSTM Models for Time Series Forecasting in Python – achieved best results with LSTM neural network where the results suggest a network configuration with 4 neurons as having the best performance with lowest RMSE and tightest variance over 128 epochs.
- 2. 'Content based news recommendation': Implemented CNN and RNN architectures over Google's gensim Word2Vec model that has been pre-trained by Google on a 100 billion-word Google News corpus. On top of this architecture to recommend articles used Euclidean and Cosine Pairwise distances to check for similarity.

### Essroc Italcementi - SAP Consultant (2006 – 2009)

- Involved in plant maintenance / QM Master Data Management and implementation of technical object structures and obtained internal training in Supply Chain Optimization.
- Set up functional location and equipment hierarchy from technical and accounting perspective.
- Performed manual cost planning including hierarchy planning in the work breakdown structure, cost element planning and activity input planning). Performed quality planning and quality inspection for QM-purchase, production, internal transfer, auto control; Environmental - continuous emission monitoring, SPOT monitoring).
- Implemented inspection plans by defining inspection operations for QM - raw materials, bulk sold cement, raw meal, clinker, kiln dust and alternative fuels; Environmental - continuous emission monitoring for gases and spot analysis for dioxins and metals.
- Access DB development for production data input, reports, charts.
- Created Cement Pyro System Heat Balance for various kiln and cooler processes using Excel VBA.

### Alcoa Howmet Castings - Data Management Consultant (2004 – 2006)

- Performed router reconciliation, application development and database management.
- Handles data Wrangling and Analysis reviewing the data received and validating the database for data completeness and discrepancies.
- Developed reports and pivot charts using MS Access, SQL server and VBA to fulfill the design and outcome requirements of the customers.

## EDUCATION

### Intellipaat (AWS Solutions Architect)

AWS certification training created by industry experts covering various aspects of AWS like EC2, S3, VPC, Aurora database service, Load Balancing, Auto Scaling and more by working on hands-on projects and case studies.

### Springboard (Data Science Bootcamp)

600+ hours of curriculum with 1-on-1 mentorship from industry experts and completion of 2 in-depth capstone projects. Mastering skills in Data Wrangling, Data Visualization, Statistical Inference, Machine Learning, Software Engineering for Data Science, NLP and Deep Learning.

### Kutztown University of Pennsylvania

Masters in Computer Science (GPA: 3.9)

### Avinashilingam University

Bachelors in Clinical Nutrition and Dietetics (GPA: 4.0)

## CERTIFICATIONS

- Software Research Group - SAP Supply Chain Optimization
- APTECH School - Advanced Diplomas in Software Engineering and Software Exports Technology
- DataCamp - Data Scientist with Python (>100 hours of hands on Statistical and Machine Learning techniques with Python to analyze and interpret complex data)
- Udemy - AWS Essentials by Linux Academy, AWS SageMaker and ML with Python by Chandra Lingam.