

# SATYAM GOVILA

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## WORK EXPERIENCE

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### Data Engineer at Concirrus Pvt Ltd, SDE-2

July 2019 - Present

- Full-time job as a Data Engineer in data science team at Concirrus. Worked on building various ETL pipelines, APIs for various clients, developing machine learning models, end-to-end model and database deployment, and other data engineering tasks
- Also, worked on complex exploratory data analysis tasks and geospatial analysis.

### Remedo Clinitech Pvt. Limited, New Delhi

Jun 2017 - Jul 2017

- On-site internship under this leading health-tech startup company.  
Learned and implemented web automation and analytics using Javascript, AngularJS and Python

## EDUCATION

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No.	Degree/Examination	Institute	Year	CGPA/%
1.	PGD ( Machine Learning and AI) ,	University of Hyderabad	2021- Present	
2.	B.Tech, Electronics Engg.	ZHCET, AMU	2015-19	6.53/10
3.	Class XII(AISSCE-CBSE)	DPS Agra Road, Aligarh	2013-14	84%
4.	Class X(SSE-CBSE)	OLF Higher Sec. School, Aligarh	2011-12	9.4

## PROJECTS

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### Covid-19 Cases Prediccion using Time-Series Analysis

- Built an extensive machine learning model to predict the future active cases of Covid-19 for all states in India
- Improved the accuracy of predicted results up to 92 percent.
- Used ARIMA based model for time-series analysis and performed the end-to-end model deployment on AWS along with an Angular Based UI.

### Published Technical Blog on Deep Learning

- Technical blog writing of all the important aspects of Deep Learning, mathematical intuition behind neural networks and various optimisation algorithms.
- <https://satyamgovila.medium.com/digging-deep-into-neural-networks-66ce03ca1509>

### IoT for Road Safety Applications

- Developed an IoT-based Smart Helmet for accident detection.  
Used GPS/GSM infrastructure to send emergency message(s) to hospitals in case of an accident.

### Machine Learning Case Study on Quora Questions Dataset

- Analyzed question pair similarity problem, performed advanced feature extraction & data visualization.  
Used Logistic Regression and Linear SVM for classification problem.

### Python Based Web Scraper

- A project based on Python that scrapes an e-commerce website.  
Performs data extraction and transforms the data into a structured form.

## CERTIFICATIONS

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Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization [http://coursera.org/Neural Networks and Deep Learning](http://coursera.org/Neural-Networks-and-Deep-Learning) <http://coursera.org/verify/KF24SQJFFWZZ>

<b>Programming Languages</b>	Python
<b>Machine/Deep Learning</b>	Pandas, Tensorflow , Scikit-learn, Keras, Numpy
<b>Database</b>	Oracle, MySQL

## TECHNICAL SKILLS

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<b>Programming Languages</b>	Python
<b>Machine/Deep Learning</b>	Pandas, Tensorflow , Scikit-learn, Keras, Numpy
<b>Database</b>	Oracle, MySQL

## RELEVANT COURSES

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<b>Computer Science</b>	Data Structures & Algorithms, Computer Networks, Theory of Computation
<b>Machine Learning</b>	Deep Learning, Exploratory Data Analysis & Interpolation, Probability & Statistics, Calculus, Linear Algebra