# SAHIL AHAMMED

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## CAREER OBJECTIVE

To work in an organisation which shall offer challenges to slove unstructured so as to make creative use of my ability to accompalish the company's objective and subsequently attain for myself higher responsibility levels.

## EDUCATION

| 2022 | B.Tech.(MECHANICAL ENGINEERING) | **PDPM IIITDM Jabalpur** | GPA: 7.6/10 |
|------|--------------------------------|--------------------------|-------------|
| 2018 | $12^{th}$ CBSE | SRI CHAITANYA, Vishakapatnam | Percentage: 88.4% |

## POSITION OF RESPONSIBILITY

**AI Exhibition Coordinator** Demonstration of AI algorithms and their working,Algo were used in Exhibition are YOLO,Self Driven Car,face recognition,Deep pose,Mask RCNN

## PERSONAL PROJECTS

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| NOV- JAN 2021 | **Riiid-Answer-Correctness** <br> •Tracing The student's knowledge and give them personal attention and understanding their weakness. <br> •Create an AI solution that uses student's previous performance and forecasts their capability to do upcoming Questions. <br> •After Tunning Neural Netwrok AUC for test set 0.72 and in case LGB it's 0.63 <br> •As this data is large in size so the Training is done on sample of data,to overcome this Issue I am Currently working on Incremental Learning. |
| AUG - NOV 2020 | **OSIC Pulmonary-Fibrosis-Progression** <br> •Pulnomary Fibrosis is a lung disease that occurs when lung tissue becomes damaged and scarred which leads to shortness of breath . <br> •Goal of the project is to forecast FVC with a Confidence Range i.e. measure of Uncertainty). <br> •Segmentation of Lungs CT Scan using Image Processing Technique like Binary hole filling , Label Connectivity , Erosion,Dilation, Transformation of Image . <br> •Statistical Analysis and Fetaure Extraction of Segmented Lungs CT Images <br> •After fine tunning Neural Network Hyperparameters, the test-Score is 6.88 (Score metric is similar to log-likelihood) |
| JUN - JULY 2020 | **Random-Forest-Imputer** <br> •Clustering similar outcomes of trees in the Proximity matrix(similarity matrix). <br> •Use Proximity matrix as weighted values to fill the NaN values. by using the concept of this method improves the quality of data. |
| MAY - JUNE 2019 | Sales Forecasting <br> •Item Sale Forecasting on upcoming month. <br> •Industry won't losses the opportunity or excess storage of no use is a huge loss,Sales forecasting is very much useful to make the planning beforehand. <br> •Data contains details item sale for Jan 2011 to Jun 2014. <br> •Scrapping Inflation rate of USA as addition data for the Sale forecasting. <br> •After Feature Engineering, The LGB score for test set 0.68635(RMSE). |

## SKILLS

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| PROGRAMMING | Python, C, |
| INDUSTRY KNOWLEDGE | Machine Learning,Data Mining,Deep Learning,NLP,Image Processing,Statistical Analysis,Flask |
| DATABASE | MongoDB, SQL |
| TOOLS AND TECHS | Tensorflow,Tableau,Microsoft Excel,Data Viz,Sklearn,Web Scrapping |

## WORKSHOPS/CERTIFICATES

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| APR 2020(8 WEEKS) | Data Mining(Swayam, Nptel) & Practical machine learning with tensorflow(Swayam, Nptel) |
| JAN 2020(8 WEEKS) | Statistical Inference(Online Self-learn basis from Coursera) |
| NOV 2019(11 WEEKS) | Deep Learning Specialization(Online Self-learn basis from Coursera) |
| APR 2019(11 WEEKS) | Machine Learning (Online Self-learn basis from Coursera) |

## ACCOMPLISHMENTS

•10th IMO(International Mathematical Olympiad) 2016-17 Qualier with International Rank of 622
•Bronze medal in OSIC Pulmonary Fibrosis Kaggle Competition Rank-208/2097 (Top 10%)