

Saurabh Keshari

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| **ACADEMIC DETAILS** | | | | | |
| **COURSE** | **SPECIALIZATION** | **INSTITUTE/COLLEGE** | **BOARD/UNIVERSITY** | **% CGPA** | **PASSING YEAR** |
| B.Tech. | Computer Science and Engineering | SRMSCET, Bareilly | UPTU | 69.8% | 2014 |
| 12th standard | Science | St. Francis, Varanasi | ISC | 79% | 2009 |
| 10th standard | General | St. Francis, Varanasi | ICSE | 76% | 2007 |

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| **TECHNICAL PROFICIENCY AND CERTIFICATIONS** | |
| **Technical Proficiency** | Python, Machine Learning, pyspark, time series, Predictive analytics, GitHub, unsupervised approach, Time series database |
| **Bigdata Analytics tool** | Databricks |
| **Certification** | Artificial Intelligence and Machine Learning, IIIT Hyderabad, Python Fundamentals, Pluralsight, Neural networks and Deep Learning, Coursera |

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| **PROFESSIONAL EXPERIENCE:** Work experience of 6 years |
| **DATA SCIENTIST, UTOPUS INSIGHTS A VESTAS COMPANY (MAY 2019 -PRESENT)**  **Product: Scipher Rx: A Predictive Maintenance tool for Wind Turbines**   * Objective is to identify/predict component/subcomponent failures with maximum possible lead time. * Predicted subset of Generator failures with 95% accuracy using vibration data. * Prescriptive maintenance on turbine health using efficacy, CDC and Temperature normalization techniques. * In depth signal analysis on SCADA and Vibration data (Sensor data) to understand the trend and patterns over time. * Setting up end to end training/Testing and scoring pipeline for various models using Random Forest, Rule based approach, etc. * Anomaly detecting using several statistical techniques such as Z-SCORE, OLS, etc. and Machine learning techniques such as Isolation Forest, CDC, Prophet, PyOD, etc. * Responsible to analyze the sensors data, draw insights, and report to customers on business perspective. * Developed various models for Generator, Bearing, Gearbox, main bearing, etc.   **MACHINE LEARNING ENGINEER, EVRY INDIA (FEB 2019 – APR 2019)**   * **Resume Ranking Web App to automatically rank resumes based on NLP techniques and rule-based modelling** * Worked on a POC project to rank n no. of resume of any formats based on a job description. * The weightage for ranking takes into account Experience, technical and non-technical skills, JD to Resume matching, etc. These are configurable as per requirement. * **Dent Identification (DEC 2018 – JAN 2019)** * Build Deep learning model using CNNs (Mask R-CNN) to do segmentations for dent/damages in   Image frames of cars.   * Comparing dent/damage images with CNN Siamese network. * **Reduce Loan Mortgage (OCT 2018 – Nov 2018)** * Built an end to end Reduce Loan Mortgage application using Flask Framework in Python as part of POC project. * Objective was to approve loan based on historical data of users based on business rule based on rules generated by Decision trees. * Selection of features done based on EDA, manual selection and feature engineering. Prediction done using XGBoost classifier. |
| * **Next Best Retail - Hackathon (Sep 2018 -Sep 2019)** * How can we devise localized advertising strategies to increase retail store walk-ins with the same.   ease as leveraging online demographics for advertising content delivery in Facebook via Google Ads.   * Online analytics using DJI Tello Drone with IOT device mounted on it to transfer the data to cloud. * Object detection using TensorFlow and deploying it on Drone. * Offline analytics using Azure cognitive services such as Video Indexer.   Detect –   * Demographics (Age group, gender), * Clothing style (cultural recognition, appearance), (Jeans / traditional / party attire etc.) * Location / proximity (shop -character recognition), sentiment, group type (family / friends/ kids) * Activity recognition (partying, having dinner, playing snooker / ball, savoring beer, etc.), * Clustering Shoppers - like Frugal shoppers / Enthusiastic shoppers etc. * **Gecko Information Systems INC (**DEC 2017 – AUG 2018) * Role: Automate Test cases scenarios & Executing using the **VSTS.** * Executing the Test cases and Bug reporting through **MTM and TFS** using Agile methodology.  |  | | --- | | **Machine Learning Hackathons** | | **IMAGE PROCESSING, AIML Program, IIIT- Hyd (AUG 2018)**   * • Built a face recognition system based on **Siamese Network** (one shot learning) * • Added the functionality for expression recognition among classes of varied gestures   **SPEECH RECOGNITION, AIML Program, IIIT- Hyd (OCT 2018)**   * • Gathered thousands of samples of distinct voices for the count of 1-10 * • Extracted the features using **CNN**, and applied SVM to classify the voice in the classes of 1-10 * • Built a voice interactive food ordering system with accuracy of around 70% | |