# Aditya Kumar

Machine Learning

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## Objective:

To seek the challenging position in software industry that needs innovation, creativity, dedication and enable me to continue to work in a challenging and fast paced environment, leveraging my current knowledge and fostering creativity with many learning opportunities.

## Profile:

- **O**ver all **3+** years of professional experience including **2+** years of experience in Machine Learning.
- **E**xperience on Python libraries like scikit-learn, SciPy, Keras, TensorFlow, PyTorch, pandas, NumPy.
- **P**art of Trinity Mobility in Machine Learning & Data Analytics Team.
- **E**xperience of working the complex prediction engines and models.
- **E**xperience of working in the development, architecting and maintaining **E**nd **to E**nd ML projects.
- **C**apable to learn and work on the new leading Technologies.
- **E**xperience with technologies such as Machine Learning algorithms, Natural Language Processing, MySQL, Oracle (SQL), Python, BIRT and Tableau Dashboard, Shell Scripting.

## Experience Summary:

| Company | From | To | Duration | Position |
|---|---|---|---|---|
| Trinity | Feb 2021 | Till Date | 5 Months | Machine Learning Engineer |
| ArisGlobal | Oct 2019 | Feb 2021 | 15 Months | Software Engineer. |
| Clinevo | Apr 2018 | Sep 2019 | 17 Months | Software Engineer. |

## Technical Skills:

| | |
|---|---|
| **Technologies** | ML, Predictive Modelling, Python, SQL, NLP, web-scrapping, Visualizations. |
| **Languages** | Python |
| **Tools** | MS Excel, Tableau, TensorFlow, Keras, Machine Learning, NLP, CNN, Neural Networks. |
| **Database** | AWS Sagemaker, MySQL. |
| **Libraries** | Keras, Scikit-Learn, Pandas, Seaborn, Hugging Face |

## Educational Qualification:

- **B.Tech** (Information Technology) from Cochin University of Science and Technology (**CUSAT**) in 2017.
- Schooling from **CBSE** with **PCM** from Scholar Abode School.

| Trinity IOT: | |
|---|---|
| **Technologies** | Scikit-Learn, Flask, Data Analysis, Python, ML algorithms (classification) |
| **Database** | MySQL, MongoDB |
| **Role** | Machine Learning Engineer |
| **Team** | Trinity IOT – ML/ Data Analytics Team |
| **Language** | Python |
| **Responsibilities** | • Developed a high-quality ML Framework that supports all Scikit-learn, classification models and integrated and resolving issues.<br><br>• With internal application to perform the training and to get the Predictions in AWS. It helps in identifying the Working and Non-Working Sensors.<br><br>• Performed Exploratory Data Analysis (**EDA**), Class Imbalance and Dimensionality reduction while developing Machine Learning algorithms.<br><br>• Performed ML model deployment in **AWS**. |
| **Description: - Trinity IOT** is a project to build a classification methodology to predict the quality of wafer sensors based on the given training data.<br>It is a major application which helps in detecting and managing the huge number of sensors. Our team has automated Sensor detection through the ML framework. | |

| Trinity Chat-bot: | |
|---|---|
| **Technologies** | AWS Sagemaker, Python, NLP |
| **Database** | MongoDB |
| **Role** | Training the Megatron |
| **Team** | Trinity Chat-bot – ML/ Data Analytics Team |
| **Responsibilities** | • Making Trinity Chat-bot answer the questions asked on the dashboards.<br>• Co-ordination with users, workflow, integrating individual modules. |
| **Description**: - **Trinity Chat-bot** is a Chat-bot for the dashboards, which enables user to navigate through the page showing different results for the user inputs, also shows the key insights to the user to make effective decision in a faster manner. | |