

AROCKIA AKILAN A

A data scientist having experience in the field of data science to seek an opportunity that challenges my skills and assists me in improving my knowledge in the field of data science.

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EDUCATION

Loyola college, Madras University.

Chennai, IN

M.Sc Data Science.

2019-2021

- Cumulative GPA: 8.0/10.0
- Major Project: A text classification on tweets using the various machine learning algorithms – Python, Machine Learning, NLP, Feature engineering and EDA.

Sacred Heart College, Thiruvalluvar University.

Tirupattur, IN

B.Sc Computer Science.

2016-2019

- Cumulative Percentage: 79/100
- Major Project: 'A web application portal for department festival' – HTML, CSS, Java Script, JSP and MYSQL

PROFESSIONAL EXPERIENCE

iOPEX Technologies, Chennai.

Chennai, IN

Data Analyst, British Telecom Division.

Nov 2021 - Present

- **EMIS Data Optimization** - Involved in Service now client project, worked in retrieving data from database using SQL queries. And cleaned the data to create an interactive dashboard and to build machine learning models. - *MYSQL, GCP, Power BI and Python.*
- **A Web application for data visualization** - Worked on British telecom product development project, worked as a back-end developer to create web app to fetch data from multiple online resources using web scrapping methodology. And created a python model to automate the process of data cleaning. And created a machine learning model to recognize a pattern and to build a model. And appended all the EDA and machine learning parts to the web application. – *Python, Random Forest regressor, Selenium and Flask API.*
- **An analysis of attrition of employees** - Worked for the iopex internal employee attrition analysis project, cleaned and prepared the data. And created a dashboard using Power BI. – *Python and Power BI.*
- **Automation of Billing data** - Involved in AT & T billing data automation project, created a python model to automate the pricing data of AT & T billing. – *Python.*
- **Data Engineering and Migration** - Actively working in a data engineering project of BT, working in GCP cloud to store all the data from native storages to google cloud. And using SQL queries to fetch a data from native sources and creating a Pipeline to migrate all the data to the cloud. – *Python, MYSQL, Air Flow Composer, GITLAB and GCP.*
- **Face mask recognition** - Worked for iopex internal project, build a deep learning model to recognize a person who enters the production area without mask. Build a pre trained model to recognize a human first and then will alert a system when recognize a person without mask. – *Python, Computer vision and CNN.*

Cardinality.AI, Chennai.

Chennai, IN

AI Engineer Trainee

June 2021 – Nov 2021

- **Face Recognition System** – Created python script to fetch encodings from the faces and stored all the data in database. And retrieved those encodings using python and trained a face recognition model using machine learning algorithm. And deployed it as API to test face recognition using web camera. – *Python, PostgreSQL, SVC, Computer Vision and Streamlit API.*
- **OCR** - Created python script to retrieve a amount from the bill photos. – *Python and tesseract.*

SKILLS

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- Python, SQL, HTML, Machine Learning, Deep Learning, Tableau, Power BI, Computer Vision and Flask.
 - **Data Science:** Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Statistics, Hypothesis test, Exploratory Data Analysis, Time series, Excel
 - **Major Steps Involved:**
 1. Data Understanding.
 2. Removing Outliers.
 3. Imputing missing values.
 4. Feature selection.
 5. Scaling.
 6. Selecting Models.
 7. Tuning hyperparameters.
 8. Making Predictions.
 9. Deploying Models.

CERTIFICATIONS

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- Machine learning masters – iNeuron 2021.
 - Statistics for data science – Udemy 2020.