

ARJUN GOVINDARAJAN

DATA SCIENTIST / DATA ANALYST

Contact

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GitHub - <https://github.com/Arjungovindarajan>

Portfolio - <https://github.com/Arjungovindarajan>



EDUCATION

Karpagam college of Engineering,

Jul 2015 – Mar 2018

Bachelor of Engineering, Coimbatore

KSR Polytechnic college

Jun 2012 – Apr 2015

Diploma, Tiruchengodu

CERTIFICATION

- Python Programming
- Data Science in simple learn

Technical skill

- **Python :** - Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn ML Algorithms, TensorFlow, Deep learning.
- **Data visualization tools (Power BI) :** - Power Query Reports, Dashboards, Extract Transform & Load (ETL), Data Modelling, DAX, Publishing, and Scheduled Refresh.
- **Machine Learning :** - Build supervised and Un supervised ml model. statistical analysis and mathematical data manipulation.
- **Deep learning :-** Designed a custom CNN model to classify Malaria affected, or not based on VGG 19 model class for accurate prediction. Hosted to aws ec2 instance via building Fast api for the seamless client inference.

Summary

Working professional with **1 + years** of industry exp in data analysis field. Skilled in developing dashboards and analyzing complex data sets using tools such as **Python, Machine learning, Deep learning SQL, Power BI, and Excel**. Passionate about identifying trends, patterns, and opportunities for improvement to help organizations make better data-driven decisions. Seeking a challenging role as a **Data Scientist / Analyst** where I can utilize my expertise to contribute to an organization's success and continue to grow both personally and professionally.

Experience

Feb 2022 – Feb 2023

AlgoFusion Technology Bangalore, — Software Engineer

- Developing data model and algorithms to apply to large volumes datasets, Python **Exploratory Data Analysis (EDA)**, data cleaning, and end to end Data Visualization dashboards.
- Data Visualization mathematical foundation behind Machine Learning algorithms, Applied statistical concepts (central tendency, dispersion, quartile/percentile, standardization) for machine learning models.
- Built & trained ML models, made data-driven predictions using Python. Improve data visualization techniques to analyze and present findings, Strong understanding of mathematical foundation behind ML algorithms (**regression, classification, clustering**)
- worked on project analyzed complex data sets and give analytical solutions of business problem, finding some useful insights from given data.
- Data analysis and client handling, Project management, Data Ejection, Prospect Customer finding, Data management
- Utilized Python libraries such as Pandas, NumPy, Sklearn to manipulate and analyze data, and utilized visualization libraries such as matplotlib, seaborn to generate the visualizations and also created modules.
- Publish and build Power BI dashboards for improved data accessibility and decision-making. Ensuring on-time delivery, Remote desktop (Azure)

Jun 2019 - Sep 2021

Aeon Teletronics, Bangalore, — Quality Engineer

Improved production planning, optimized processes, and reduced waste Works on Molding machining on SMC, maintaining daily production data, quality Check and error removing. manpower handling. Check Inward raw material quality and sampling, production monitoring reduce the error products. Gauge profile measurement quality optimized pre-processing error. Final dispatch quality and invoice maintenances.

- **Deployment:-** my project applications Deployed and hosted to various platforms Like fastapi, flask, streamlit.io, AWS Ec2 server, GCP
- **Other :-** Reporting, generating the reports from the Excel files in Python e.g., xlrd, openpyxl, pandas, numpy, xlsxwriter. jupyternotebook, google colab

SOFT SKILLS

- Time Management and planning
- Team worker
- Self-motivated quick learner
- Business process analysis and improvement
- Requirements gathering and documentation.
- Communication and presentation skills



Projects

Real Estate Price Prediction (ML) [Gitrepo](#)

Bangalore real estate data collect load into data frame Work on data preprocessing & EDA, use of google colab, applying feature engineering creating required feature for outlier detection and remove. clean some unusual data to get possible value data's. use train split method and cross validate the data for standard accuracy and model score. Build supervised regression model I got 95% accuracy in Linear regression Deploy into EC2 instance backed python using flask framework with nginx webserver and frontend Html, css, js. It impacts better customer targeting.

Recommendation System (ML) [Gitrepo](#)

Tmdb Api data collect movie dataset. Work on data preprocessing & EDA, Data cleaning, use of google colab, Using content based recommendation in tag method. utilized Python libraries such as Pandas, Nltk, cosine similarity Sklearn to manipulate and stemming the contents. Creating a ml model cosine distance counted vector tags are there nearest angle tags will be recommended. End to end deployed into streamlit.io.

Malaria disease Affected Prediction (DL) [Gitrepo](#)

This is my internship project task in Deep learning dataset provide by iggateway. combined 25k samples of red blood cells with parasitized & Uninfected. Designed a custom neural network, CNN algorithm and VGG19, resnet50 to classify image, and image preprocessing, image augmentation. Build well performed model loss: 0.3019 - accuracy: 0.8678 - val_loss: 0.5553 - val_accuracy: 0.6866, created end to end deployed the application into flask server will call prediction_api will decide those cell parasitized or not.

Web NLP Chat Bot (ML) [Gitrepo](#)

Hotel food product website business requirement build for customer interact with human language using google Dialogflow ES customizing the bot, asper needed 'New_order' intent and 'track_order' intent based build chat bot end to end deployed and build website connect through backend fastapi using python, MySQL db. network tunnel ngrok http 80000 portal.

Data Analysis & Data Visualization - Building Dashboard [Git](#)

Constructed 10 dashboard for various types business requirement.

1. Airline revenue management Dashboard
2. Hospitality revenue management Dashboard
3. E-comm sales insights and profit dashboard
4. Capstone project Google Data Analytics
5. Call center report Dashboard
6. Customer churn Dashboard
7. HR Analytics Dashboard

