



Gouthami K



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Education

1.Master of Science in Mathematics

Christ (Deemed to be University)

7.69 CGPA (2020 – 2022)

2.Bachelor of Science in Physics, Chemistry, Mathematics

St. Joseph's University

80.76% (2017 – 2020)

3.II PUC in Physics, Chemistry, Mathematics, Biology

KMWA PU College

84.83% (2015 – 2017)

4.Class 10

Nirmala Rani High School

89.92% (2015)

Internships

iNeuron.ai

Full Stack Data Science Masters (2023–present)

- Currently enrolled in iNeuron.ai's Full Stack Data Science Masters program, gaining proficiency in a diverse set of technologies and methodologies.
- Acquiring expertise in: Python, SQL, Statistics, Machine learning, Web Development, Cloud Computing.

The Sparks Foundation (2023)

Data Science and Business Analytics Internship.

Technical Skills

Data Science

Python, Data visualization, Machine Learning, EDA , Feature engineering, Feature selection & extraction.

Machine Learning

Supervised learning algorithms:

- Linear Models-Linear Regression, Logistic Regression
- Decision Tree
- Ensemble Techniques
 - Bagging(Random Forest)
 - Boosting(Ada Boost, Gradient Boost, Xg Boost)
- Support Vector Machine
- K Nearest Neighbors
- Naive Bayes

Unsupervised Learning algorithms:

- Clustering
 - K means clustering, Hierarchical clustering, DBSCAN
- Dimensionality Reduction
 - Principal Component Analysis(PCA)

Python packages and Frameworks

Scikit Learn, Matplotlib, Seaborn.

NumPy, Pandas, SciPy, BeautifulSoup, Math.

Business Intelligence

Tableau, Power BI.

Programming languages

Python, SQL, NoSQL.

Web Development

Html, CSS, Flask(BASICS).

Statistics

About Me

Enthusiastic individual with a background in Mathematics and a keen interest in Data Science. Eager to secure an entry-level position to apply strong analytical and technical skills in a challenging and dynamic environment.

Projects

1. Credit Card Fault Detection System

- Engineered and implemented an end-to-end fault detection system utilizing machine learning algorithms, with a primary focus on classification.
- Achieved optimal performance through the implementation of Gradient Boosting.
- Orchestrated a seamless MLOps pipeline and DVC technology for model versioning and CI/CD.
- Developed a user-friendly website, enhancing user interaction and facilitating ease of use.
- Technologies: Python, MongoDB, Flask, Docker, AWS (deployment).

2. Restaurant Rating Prediction System

- Spearheaded the creation of a full-stack web application predicting restaurant ratings, focusing on solving a regression problem.
- Achieved commendable performance through the implementation of XGBoost.
- Implemented a user interface, enabling users to interact with predictions and ingested data from MongoDB.
- Deployed the application to a cloud server for seamless accessibility.
- Technologies: Python, HTML, MongoDB, Flask, Docker, AWS (deployment).

3. Flipkart Review Scraping

- Applied web scraping techniques, utilizing BeautifulSoup and urllib in Python, to extract and analyze reviews from the Flipkart website.
- Developed a script to gather and store valuable insights from customer reviews for further analysis.

Certification

Kaggle: Data cleaning, Intro to SQL

Coursera: Python

Simplilearn: Power BI for Beginners

Soft Skills

- Problem Solving
- Communication Skills
- Leadership
- Time Management

Extra Curricular

National Service Scheme (2017–2018)

Actively Volunteered as a member of NSS organization at St. Joseph's University for a period of one year.