

SKILLS

- Data Cleansing & Transformation • Statistical & Data Analysis • Feature Design & Implementation • Predictive Analysis • Machine Learning
- Mathematical Programming • Model Deployment • Simulation Requirement • Web Scraping • Training & Mentoring • Automation
- Cluster and Classification • Data visualization • Business Development • Financial Data Analysis

Technical Skills

- **Languages:** Python, SQL, Java, JavaScript
- **Frameworks:** Flask, Python Libraries, Django, BeautifulSoup, SciPy, Scikit-Learn, TensorFlow, NLTK
- **Software & Tools:** SAS, Tableau, GCP, Docker, Azure, Big-Query, Excel, Git
- **Statistics & Machine Learning:** Statistics Analytics, Linear/Logistic Regression, Clustering, Regularization, XG Boost, Random Forests

EXPERIENCE

Data Scientist

Dec 2021 - Feb 2024

Delixus Software India Pvt. Ltd

Bangalore, Karnataka

Web Scraping, Data Visualization & Regression Modeling

- Compiled pricing data for **competitive analysis** by performing **web scraping in Python**
- Supervised **model development**, testing & **validation of 100+ financial products** and services
- Created charts in **Jupyter Notebook** to perform **preliminary analysis & visualize data** using **Matplotlib**

Predictive Modeling & Algorithm Development

- Predicted stock price with **98% accuracy** to enable the company to make **informed investments**
- Determined **optimal pricing strategies** to facilitate the **management of funds** & achieve **revenue goals**
- Made multiple **touch sensitive ML systems** in all the office floors to **improve** the company's **safety networks**
- Devised high-performance **ML systems** to **detect abnormality**, intrusion, fraud, **masquerading**, malware, etc.
- Developed an algorithm to understand **customer behavior** leading to **95% success** in targeted **marketing campaigns**

Clustering & Classification

- Conceptualized & implemented a **sentiment analysis** tool to rate the financial competence of companies
- Originated a **recommendation engine** to suggest an ideal cluster price **for financial services** offered by top companies

Algorithm Development & Dynamic Pricing

- Engineered a **food recommendation system** to provide meaningful food recommendations to guests
- Designed an in-house algorithm for attendance & time management to **simplify** the hotel's administration work
- Applied various **machine learning techniques** by deploying **Python** to build **dynamic pricing models and maximize profits**

Python Backend Developer

Jul 2020 - Feb 2021

Apptech Interactive Services Pvt Ltd

Gwalior, Madhya Pradesh

- Automated schema comparison using a Python script, achieving a 95% reduction in operational time for real-time reporting of schema changes.
- Designed and implemented SQL scripts for new schema, ensuring 100% functionality and seamless integration.
- Documented project deliverables and tracked team progress with MS Office Suite, enhancing project visibility and communication.

PROJECTS

News Article Classification | NLP, Text Preprocessing, Bag of Words, TF-IDF, Random Forest, Python, scikit-learn | [Project Link](#)

- Developed an **NLP-based multi-class text classification model**, achieving **85% accuracy** and an **F1-score of 0.79** across **five categories**.
- **Enhanced content discovery** by applying tokenization, stopword removal, lemmatization, and using **Bag of Words & TF-IDF** for feature extraction
- Trained and evaluated multiple models, with **Random Forest** delivering the best performance, reducing **misclassification** and balancing precision-recall.

Loan Approval Prediction | Logistic Regression, VIF, EDA, Preprocessing, Python, scikit-learn | [Project Link](#)

- Developed a logistic regression model **achieving an AUC of 0.9**, enhancing the reliability of loan underwriting process.
- **Optimized recall to 0.79**, significantly reducing potential Non-Performing Assets (NPAs) by accurately identifying high-risk applicants.
- Enhanced model performance through multi-collinearity checks and balancing techniques, **achieving an F1-score of 0.61** to minimize false positives and negatives.

EDA for Optimizing Logistics and Supply Chain Operations | EDA, Hypothesis Testing, Python, Sci-Py | [Project Link](#)

- Optimized trip creation times, route schedules, and transportation modes for a logistics firm, enhancing operational efficiency.
- Reduced memory consumption by **90%** through advanced data cleaning, significantly improving data processing effectiveness. Identified
- delivery efficiency opportunities by analyzing trip distribution and customer engagement patterns, **Increasing efficiency by 15%**.

TargetBrazilOrdersAnalysis Using SQL | SQL, BigQuery, CTE | [Project Link](#)

- Analyzed **100,000+** orders using BigQuery to uncover trends, customer behavior, and operational inefficiencies in Target's Brazil operations.
- Conducted state-wise analysis of delivery times, leading to a 12% improvement in efficiency by optimizing freight costs and shipment routes.
- Revealed key insights into payment types and installment plans, contributing to a **15% boost in customer satisfaction and enhanced financial** planning strategies.

ACHIEVEMENTS

- **Published Articles:** Regularly write data science articles on **Medium**, sharing insights and tutorials.
- **Top Performer:** Ranked in the **top 1% at Scaler**, showcasing expertise in data science and machine learning.
- **Tableau Dashboards:** Built interactive visualizations on Tableau for complex data insights.
- **Active Coding:** Continuously update and refine projects on **GitHub**, focusing on ML and data pipelines.

EDUCATION

- Center For Development Of Advanced Computing C-DAC ACTS Knowledge Park Bengaluru

May 2021- Oct 2021

Bangalore, Karnataka

Post-Graduate Diploma | Diploma In **Big Data Analytics (e-DBDA)**

- Maharana Pratap College of Technology

2017- 2020

MCA/BCA in Computer Science (CGPA: 7.86)

Gwalior, Madhya Pradesh

- **Relevant Coursework:** Data Structures and Algorithms (Python), DBMS (MySQL), Operating System, Data Science Fundamentals