

RAJ KUMAR SAGGURTHI

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SKILLS SUMMARY

- **Languages:** Python, Tableau, HTML, CSS, SQL, Django.
- **Tools and libraries :** Numpy, Pandas, Google Colab, MySQL, Jupyter Notebook.
- **Soft Skills:** Leadership, Team collaboration and communication, Time Management.

EDUCATION

Vignan's Institute of Information Technology (VIIT), Visakhapatnam, India.

Bachelor of Technology - Mechanical Engineering; CGPA: 7.22

2020 – 2024

Tirumala Junior College, Visakhapatnam, India

Senior Secondary; Score: 83%

May 2018 - April 2020

PROJECTS

Project 1: Web Scraping - Data Mining and Exploratory Data Analysis

October 2024

Tools: Python, BeautifulSoup, Requests, Jupyter Notebook, Data Mining, Data Visualization

Extracted: Extracted mobile phone prices from Flipkart using a web scraping application built with Python.

Processed: Processed and cleaned over 1,000 data points, implementing data cleaning and formatting techniques for efficient organization.

Analyzed: Analyzed scraped data to identify pricing trends and insights, applying data visualization skills to extract meaningful patterns.

Project 2: User Authentication System using Django.

December 2024

Technologies Used: Django, Python, HTML, CSS, SQLite.

Description: Developed a secure user authentication system using Django, enabling user registration, login, and password management.

Key Features:

- Implemented user registration and login functionality to enhance user access.
- Enabled password reset and recovery options for improved security.
- Managed user profiles with customizable settings for better user experience.

Project 3: Tableau - Data Analysis Project

January 2025

Tools: Tableau, Data Collection, Data Preprocessing, Data Visualization

Extracted and Curated: Extracted and curated data from raw Zomato datasets, preparing it for analysis through effective data collection and preprocessing.

Developed and Visualized: Developed an interactive visualization dashboard in Tableau, showcasing analysis of delivery modes, top-performing restaurants, and culinary trends.

Analyzed and Interpreted: Analyzed the Zomato dataset to identify key insights and trends, facilitating informed decision-making and business growth.

Project 4: Loan Price Prediction.

November 2024

Tools: Python, Jupyter Notebooks, Machine Learning.

Assessed and Mitigated: Spearheaded credit default risk assessment, resulting in a 20% reduction in default rates and enhancing lender confidence.

Developed and Deployed: Implemented ML pipelines to streamline model development and deployment, achieving a 95% efficiency rate with robust algorithms.

Analyzed and Optimized: Analyzed model performance, identifying the Random Forest Classifier as the top-performing model, achieving 90% accuracy and a 15% improvement in prediction precision.

EXPERIENCE

Data Science Training from Innomatics Research Lab.

July 2023 - August 2024

- Gained foundational knowledge of python and its libraries, SQL, Machine learning (ML) , Tableau.
- Developed hands-on experience with real world projects and understanding their operations and uses.

Full Stack Development Training from Vtalent.

June 2024

- Gained foundational knowledge of python and its libraries, SQL, Django.
- On-going Training on foundational knowledge of HTML , CSS, JavaScript

CERTIFICATIONS

- **IBM Certified Machine Learning with Python.**
- **Certification in Data Science.**
- **Internship Completion Certificate by 1Stop from Personify in Artificial Intelligence.**
- **'O' Level Certification training by AEP.**