

RAMANA BANSAL

SKILLS

- MS Excel
- SQL (MySQL)
- Python (with Pandas, Matplotlib)
- Data Visualization (Excel, Tableau)
- Statistical Knowledge
- C, C++, Java (Basics)
- Data Cleaning and Preparation
- Data Analysis and Interpretation

PROJECTS

RISK ANALYTICS FOR BANKING SERVICE

- Conducted Exploratory Data Analysis (EDA) on previous loan application data using **Google Colab**, uncovering critical insights on loan defaulting trends and patterns; enabling strategic risk mitigation and enhanced loan approval process.
- Conducted thorough **data cleaning** and preprocessing for two loan application datasets, comprising of 0.3 to 1.5 million rows and approximately 122 features.
- Executed **Univariate, Bivariate, and Segmented Univariate** Analysis accompanied by insightful visualizations using **numpy** and **matplotlib**.

CAR FEATURES AND PRICE-PROFITABILITY

- Employed **MS Excel** to process, visualize, and analyze data, investigating the correlation between car prices and approximately 16 features.
- Leveraged advanced Excel functionalities, including **Pivot Tables, Conditional Formatting, Regression Analysis, and Correlation**, to ensure precise and thorough analysis of the data.

IMDB MOVIE ANALYSIS FOR FREELANCE YOUTUBER

- Employed MS Excel to meticulously clean and process data for approximately 5000 movies from the IMDB database.
- Conducted in-depth analysis and visualization of the data, extracting valuable insights into movie trends, actors, directors, and topics that drive traffic. Applied advanced Excel functions, including **Index-Match, VLOOKUP, and Pivot Tables**, to enhance data interpretation.

WORK EXPERIENCE

TRAINEE – Trainity, India

Mar 2023 – July 2023

- Acquired proficiency in diverse Data Analysis tools and techniques, including MS Excel, MySQL, Tableau, Exploratory Data Analysis (EDA), and Data Cleaning and Preprocessing.
- Demonstrated expertise by successfully completing and presenting five impactful data analysis projects spanning Operation Analytics, Hiring Process Analytics, Movie Analysis, Automotive Industry, and Banking, drawing valuable business insights.

FREELANCE WRITER – Self Employed

Dec 2019 – Mar 2023

- Proficient in **researching** and composing content tailored to specific client requirements.
- Ensured text integrity and maintained consistent content quality, achieving a plagiarism score consistently below 10%.

INTERN – HP Inc., Bangalore

Feb 2017 – July 2017

- Developed a comprehensive **Python library** to **automate** diverse HP Printer Test Cases, resulting in a remarkable 70% reduction in test time.
- Collaborated closely with the **Quality Assurance Team** to automate and validate test scripts, ensuring efficiency and accuracy.
- Conducted Role Based Access Control (RBAC) and Account Policy Testing for enhanced security measures.

PROFESSIONAL DEVELOPMENT

INTERN, Clinical Psychology – Arya Hospital – Neuropsychiatry and Deaddiction Centre, Chandigarh

Sep 2022

- Engaged in a hands-on internship at Arya Hospital, focusing on Mental Status Examination and Test Administration.

EDUCATION

MASTER OF ARTS (PSYCHOLOGY) – IGNOU, New Delhi –Chandigarh Regional Centre

July 2023

Major: Clinical Psychology

Relevant Coursework: Statistics, Research Methodology, Research Project

BACHELOR IN ENGINEERING – Chitkara University – Punjab

July 2017

Major: Electronics and Communication Engineering

CGPA: 7.88