Shravya Shree G

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SUMMARY

- **First class honors** master's degree graduate in Data Science and Statistical Learning
- 2 years of industrial experience as Quality Assurance Engineer with a keen eye for detail
- Strong analytical skills from core background of engineering
- Excited to work in areas of descriptive and predictive analytics

EDUCATION

University of Limerick (NFQ Level 9)   **Sep 2022 - Sep 2023**
MSc Data Science and Statistical Learning- First class honors

Indian Institute of Information Technology (NFQ Level 7)   **Aug 2016 - Aug 2020**
BTech Electronics and Communication Engineering- First class honors

MSC THESIS

Modelling data on food supplements with harmful botanicals   **May 2023 – Sep 2023**

- Scraped 1629 food supplements from 5 major websites using Scrapy
- Performed data cleaning and data wrangling using regular expressions
- Risk profiled ingredients with potentially harmful botanicals data
- Implemented exploratory data analysis techniques like chi-squared test
- Created word clouds and histograms of correlations for descriptive data analysis
- Fitted a logistic regression model using feature engineering to accurately classify risky supplements
- Clustered products using k-means algorithm with 81% WCSS
- Identified product cluster with 43% higher risk of containing harmful botanicals

WORK EXPERIENCE

Video Collection Analyst   **Feb 2023 - Present**
Stats Perform, Limerick
- Managed end to end video production for Rugby and Soccer using virtual network computing
- Executed video sourcing, streaming, monitoring, editing, storage, and customer support

Quality Assurance Engineer   **Aug 2020 - Aug 2022**
Ericsson Global India, Bangalore
- Performed manual, API, automation testing of the module as the QA project lead.
- Led testing in 2 project modules managing teams of 9 and 15 people
- Achieved a 60% decrease in production bug rate in the first 15 days of joining the team
- Documented test artifacts like test plan and test report
- Conducted knowledge sharing sessions to the team on new technologies
- **'LH10 House of heroes'** awardee on the focus area **'Executing Speedily'**

SKILLS

Programming languages: Python, SQL, R
Libraries: NumPy, pandas, Matplotlib, scikit-learn
Technologies: Scrapy, Jupyter Notebook, RStudio, PyCharm, MS Excel, Google Collab, MySQL, Tableau
Version control: Git, GitHub, GitHub desktop
Analytical skills: Web scraping, data cleaning, data visualization, exploratory data analysis, data modelling.
Predictive analytics: Supervised and unsupervised learning, natural language processing

PROJECTS

- Predicted employee performance score using regression analysis on HR data of a law firm
- Performed sentiment analysis on product reviews
- Reduced dimension of training data using principal component analysis
- Identified high-value customer cluster and best performing product category using retail sales data

MAJOR COURSES

- Statistical Inference and Modelling
- Database Systems in Practice
- Applied Big Data and Visualisation
- Neural Networks and Complex Systems
- Artificial Intelligence and Machine Learning
- Text Analytics and Natural Language Processing

ROLES OF RESPONSIBILITY

- Representative of project module in Ericsson to present and demonstrate QA flaws
- Event Coordinator at Techno-Cultural festival in university
- Student ambassador and class representative at undergrad university

PART TIME

Sales Executive   **Oct 2022- Jan 2023**
Easons, Limerick
- Primarily worked in cash handling and assisted customers with inventory and promotions
- Filled out delivery stock, managed overstock, priced and discounted products

VOLUNTEERING

JAGRATI, PDPM IIITDMJ   **Aug 2016 – Nov 2020**
- Undertook door-to-door surveys in villages on education, background, and nutrition
- Catalogued and managed blood donation and cloth donation camps