

## Education

**Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology** Aug 2022 – Aug 2026  
*Bachelor of Technology in Computer Science and Engineering (CSE), Data Science — GPA: 8.0/10 chennai, TamilNadu*

## Relevant Coursework

- IBM Data Analyst Certificate
- DataAnalysis with Python
- MeriSKILL Data Analyst Certification
- Python for Data Science,AI
- Data storytelling for data professionals
- Data Visualization with python

## Experience

**Reput AI** Jul 2025 – Present

*Data Analyst Intern*

*Remote*

- Developed and optimized an AI-powered chatbot by identifying and fixing bugs to improve performance and user experience.
- Worked on sustainability and compliance reports such as BRSR, GHG, and GRI to support ESG reporting and compliance initiatives.
- Collaborated with the BI developer to analyze complex datasets, contributing valuable insights that informed data-driven decision-making.
- Assisted the animation team in creating and enhancing website animations, improving user engagement and overall site experience.
- Collected, cleaned, and analyzed data from multiple sources to generate actionable reports for stakeholders.

**KultureHire – Data Analyst Intern**

Dec 2024 – Feb 2025

*GenZ Data Analysis and Visualization*

*Remote*

- Collected and cleaned survey data from over 70,000+ Gen Z respondents regarding career aspirations and workplace expectations.
- Utilized SQL to query and organize large datasets, enabling efficient trend analysis and segmentation.
- Applied hypothesis testing to validate assumptions about Gen Z career preferences, education priorities, and job expectations.
- Built an interactive Power BI dashboard to visualize key insights such as job role interest distribution, skill gaps, and location-based preferences.
- Delivered actionable insights to the HR and strategy team, supporting KultureHire's employer branding efforts.

## Projects

**Customer Segmentation using K-Means Clustering** | *Python,Scikit-learn,seaborn,Excel*

- Collected and analyzed 10,000+ customer data points including demographics and purchase behavior.
- Applied K-Means Clustering algorithm to segment customers into distinct groups based on behavioral patterns.
- Performed feature scaling, dimensionality reduction (PCA), and elbow method to optimize cluster selection.
- Created visualizations (scatter plots, cluster heatmaps) to interpret and communicate segmentation insights.

**Gen Z Data Analysis KultureHire** | *python,powerBI,docs,Excel,SQL*

- Conducted data collection via surveys to understand Gen Z career aspirations.
- Cleaned and processed data using SQL for analysis.
- Applied SQL queries and hypothesis testing to identify trends.
- Built an interactive dashboard using Power BI to visualize key insights.

**Sentiment analysis for tweets** | *Python (scikit-learn, pandas, TextBlob, matplotlib),Excel*

- Collected and preprocessed over 13,000 tweets from a public dataset for sentiment classification (positive, negative, neutral).
- Cleaned data by removing stop words, punctuation, emojis, and applied text normalization techniques (stemming, lowercasing).
- Used TextBlob as a baseline model and compared it with supervised ML models using accuracy and F1-score.

## Technical Skills

**Languages:** Python,SQL,R,shell

**Developer Tools:**Jupyter notebook, Rstudio, Google Colab

**Technologies/Frameworks:** powerBI,Microsoft Excel,Docker,Azure