

B VENU MADHAVI

B.Tech –Computer Science Engineering - Lpu, Phagwara

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EDUCATION

Lovely Professional University, Phagwara

— *B.Tech*

— *Computer Science Engineering*

AUGUST 2020 – JUNE 2024

CGPA: 8.00

Narayana Junior College, Tirupati

— *Intermediate (SSC)*

JUNE 2018 - JUNE 2020

-- 99.2%

Narayana IIT Olympiad, Tirupati

— *Matriculation (ssc)*

10th - APRIL 2017 - MARCH 2018

CGPA: 10

ACHIEVEMENTS

- Achieved a **5-star** rank in SQL on HackerRank, demonstrating strong proficiency in database management and query optimization.
- Solved over **200 problems** on LeetCode, highlighting proficiency in coding and algorithmic thinking.
- Secured **1st position** in the college quiz competition, demonstrating analytical and reasoning abilities.

Work Experience

Accenture North America Data Analytics and Visualization Job Simulation - July 2024

- Completed a simulation focused on advising a hypothetical social media client as a **Data Analyst** at Accenture
- Cleaned, modelled and analyzed **7 datasets** to uncover insights into content trends to inform strategic decisions
- Prepared a PowerPoint deck and **video presentation** to communicate key insights for the client and internal stakeholders

SKILLS

- Programming Languages** - Python, SQL, Scala, R, Object Oriented Analysis and Design
- Database Management** – Dbms, My SQL,
- Data Analysis Tools:** Advanced Excel, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Git
- Data Visualization Tools** -, Power BI, Tableau
- Data Analysis:** Data Cleansing, Data Mining, Data Manipulation, Data Modelling, Data Reporting
- Machine Learning Algorithms:** Decision trees, Support Vector Machines, Random forests, Deep Learning

PROJECTS

Meesho Sales Analysis —

- Developed a **Power BI** dashboard analyzing \$89M in sales and 120K units sold
- Cleaned and managed Meesho sales data from Kaggle for accurate analysis.
- Implemented detailed subcategory insights using tooltips and **advanced visualization**.

Coffee Shop Sales Analysis—

- Conducted a comprehensive coffee sales analysis using Excel, joining data from 3 sheets with **XLOOKUP** and **INDEX MATCH**.
- Performed monthly and quarterly sales analysis, **identifying top 5 customers** and regional sales trends using pivot tables.
- Enhanced interactivity with slicers for coffee type, loyalty card, size, and a timeline, driving actionable insights.

Retail Sales Analysis —

- Executed a comprehensive **EDA** on retail sales data, revealing that clothing leads in quantity sold, while electronics generates the most revenue.
- Identified gender-based purchasing patterns: men buy more clothing in quantity but spend less, while women dominate revenue in both clothing and electronics.
- Analyzed seasonal trends, finding that June sees the highest electronics sales, recommending targeted promotions for maximum revenue..

A Machine Learning approach for Android Malware Detection —

- Collected and cleaned the Maldroid dataset from Kaggle, ensuring data integrity and usability for all 2082 rows.
- Utilized Random Forest, Decision Tree, and Stacking Classifier algorithms to develop a robust model for Android malware detection, achieving an impressive 97% accuracy.
- Designed and implemented a user-friendly web interface using Flask framework, allowing easy interaction with the malware detection system

CERTIFICATIONS

- Introduction to Business Intelligence - **Infosys**
- Database Management systems - **Infosys**
- Create Charts and Dashboards Using Microsoft Excel - **Coursera**
- Data Analytics and Visualization Job Simulation from Forage - **Accenture**