

# VENUVANKA VAMSHI

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<https://www.linkedin.com/in/vamshi-venuvanka-b21aa2202/> | [Project Portfolio](#)

Result-driven Data Analyst with strong skills in SQL, Power BI, Python, and Excel. Adept at gathering, analyzing, and validating data from diverse sources to create actionable reports and visualizing dashboards. Strong communicator and collaborator, ensuring accurate reporting and stakeholder engagement to support business operations.

## TECHNICAL SKILLS

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- **BI Tool:** Power BI
- **Programming Language:** Python, SQL
- **Databases:** MySQL, Microsoft SQL
- **Algorithms:** Machine Learning (Basics)
- **Spreadsheet:** Excel (pivot tables, charts, Lookups)
- **Cloud:** AWS (AWS S3, AWS Athena, AWS quick Sight)

## EXTERNSHIP

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### Machine Learning Externship | Smart Bridge | [Link](#)

- Addressed data inconsistency issues by cleaning and validating smartwatch pricing data using Python (Pandas, NumPy).
- Implemented multiple machine learning models to predict smartwatch prices, **achieving 73% accuracy** in forecasting with statistical analysis.
- Improved pricing strategy effectiveness, contributing **to a 10% increase in revenue** through more reliable prediction.

**Tools used:** Python, Machine Learning

## PROJECTS.

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### Business 360 - Brick & mortar and ecommerce [Power BI | SQL | Excel | Dax Studio] | [Link](#)

- Designed a multi-view dashboard in Power BI for **5 departments** (sales, finance, supply chain, executive, marketing) of AtliQ hardware to understand Sales trends, facilitate data-driven decisions that scaled the **business processes by 10%** using clear analytical solution.
- Imported 2 different data sources (MySQL, and Excel) with more than **4 million** records and performed advanced data structure modeling and benchmarking key performance indicators.
- Optimized the report using DAX studio, which **saved 30% of storage** and **improved performance by 10%**.

### EV Market Study Analysis [SQL | Power BI] | [Link](#) | [Link](#)

- Analyzed **100K+ EV market records** using Power BI and advanced SQL techniques to inform new launch strategies.
- Developed key metrics like Penetration Rate, CAGR, and Market Share, projecting a **10% growth in EV sales** in a year.
- Provided insights recommending government incentives and enhanced charging infrastructure, potentially **increasing market share by 25%** in key regions and supporting long term project planning.

### Telangana Growth Analysis and Insight Presentation [Python][Power BI] | [Link](#) | [Link](#)

- Analyzed economic trends and developed a Power BI dashboard using real-time public datasets (Stamp Revenue, Transportation, TSIPass) to uncover growth patterns and investment opportunities.
- Utilized Python (Pandas, NumPy, Matplotlib) for extraction, cleaning, and analysis of economic growth trends across key indicators.
- Identified the **top 5 sectors** for investment, revealing a **48% increase in E-Stamp Revenue** in 2022, a consistent **60% rise in electric vehicle sales**, and a **20% overall increase** in investment, notably in pharmaceutical, plastic, and rubber industries.

## EDUCATION

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### ***Vaagdevi Engineering College***

Bachelor of Engineering in Computer Science

**06/2020 – 08/2024**

## CERTIFICATION

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- **Hacker Rank** – SQL Gold Badge.
- **KPMG** Data Analytics Virtual Internship.
- Get Job Ready: Power BI Data Analytics for All Levels 2.0 by **code basics**.
- Advanced MySQL for Marketing & Web Analytics-**Maven Analytics**.