

VENKAT BONASU

DATA ANALYST

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Portfolio: <https://venkat-bonasu-portfolio.vercel.app/>

SUMMARY

Junior Data Analyst with hands-on experience in Python, SQL, Excel, Power BI, Tableau and Gen AI through professional courses and internship. Experienced in building interactive dashboards, end-to-end data analysis projects and built small automation scripts to strengthen technical capabilities. Seeking an entry-level IT or Data Analytics role to apply problem-solving and technical aptitude.

SKILLS

- Programming & Data Tools:** Python (Pandas, NumPy), SQL, Excel (Advanced), Power BI, Tableau, Power query
- Data Analysis & Reporting:** Data Cleaning, Exploratory Data Analysis, Data Modeling, Ad-hoc reporting
- Automation & AI:** Gen AI, n8n Workflow Automation, Chatbot Development, Git
- Soft skills:** Attention to Detail, Analytical Thinking, Stakeholder Communication, Root Cause Analysis
- Core Concepts:** ETL Pipelines, Statistical Analysis

EDUCATION

Bachelor of Technology

JNTUK School of Food Technology, Kakinada

2021 - 2025

PROJECTS

Project 1: Mapping the Educational Landscape (Web Scraping & Analytics)

Tech Stack: Python, Selenium, Pandas, Power Query, SQL Server, Power BI, Streamlit (UI), Gemini API

- Automated large-scale data extraction using Selenium with 95% accuracy and cleaned/transformed datasets using Pandas & Power Query, improving data consistency by 40%.
- Built an SQL Server relational database as the central data source and connected it to Power BI to develop interactive dashboards that enhanced insight accessibility.
- Developed a Streamlit UI chatbot integrated with the Gemini API key and LangChain, enabling natural-language queries that converted into SQL Server queries, improving data retrieval efficiency by 30%.

Project 2: End-to-End Retail Sales Performance & Behavioral Analytics

Tech Stack: Python, Pandas, SQL Server, Power BI, Excel

- Cleaned and structured multi-source retail datasets using Python and SQL Server to derive insights on customer behavior, product performance, and store profitability.
- Developed Power BI dashboards with RFM segmentation and KPIs, enhancing decision-making efficiency by 50%.

Project 3: AI-Powered IMDB Movie Analyzer (n8n + Gemini + LangChain)

Tech Stack: n8n, Google Gemini, Google Sheets, Redis

- Built an AI-driven movie analysis agent using n8n, Gemini, and LangChain to answer queries on ratings, year filters, and movie insights by dynamically pulling data from Google Sheets.

INTERNSHIP

Data Analyst Intern | Analytics Space, Hyderabad

Feb 2025 – Nov 2025

- Cleaning, transforming, and analyzing datasets using Python, SQL, and Excel to support ongoing analytics projects.
- Developing and supporting Power BI dashboards and reports to track key business metrics and performance insights
- Conducting exploratory data analysis (EDA) to identify patterns, trends and insights for internal teams and client deliverables.

ACHIVEMENTS

- Diploma in Data Analytics with Generative AI - Texas Tech University
- Certification in Data Visualization and Analytics
- Completed 68% of the Hacker Rank SQL Track, demonstrating strong progress in advanced SQL concepts and query-solving skills.