

Venkata Sai Sushanth Nalam

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SKILLS: C++, Python, R, SQL, HTML, CSS, Numpy, Pandas, Matplotlib, Seaborn, Plotly, Sci-kit learn, Tensorflow, NLTK, Spacy, Power BI, Tableau, Qlik Sense, Advanced Excel, Hadoop, Google Looker Studio, Microsoft Azure, BigQuery, MS Project, Jira, Communication, Team Management, Adaptivity, Leadership.

EDUCATION:

M. Sc in Data Science (Coventry University – UK)

2022-23

B. Tech in Electronics and Communication Engineering (JNTUA - AP)

2016-20

WORK EXPERIENCE:

Amazon Inc, Rugby UK (Jan 2023 – Jan 2024): *Jr Data Analyst*

“Amazon Internal Sales Management”

- **Situation:** Tasked with optimizing sales segmentation to improve marketing and delivery experiences.
- **Task:** Designed a machine-learning model using sales and demographic data for segmentation.
- **Action:** Analyzed data, built k-means and KNN models to predict sales accuracy for given periods.
- **Result:** Achieved 93% precision in product view forecasting for Amazon UK's logistics marketing.

HCL Tech, Chennai India (Jan 2021 – May 2022): *Software Engineer*

“Ventilator Device Development”

- **Situation:** Assigned to enhance testing and verification of ventilator devices for better functionality.
- **Task:** Improved development with C++ and SQL, ensuring seamless integration and regulatory compliance.
- **Action:** Reviewed previous IPs, created and executed test cases, and documented testing protocols.
- **Result:** Boosted success rates from 8.5% to 82% using manual and automated testing with Selenium.

PROJECTS:

Twitter Sentiment Analysis (September 2024 - November 2024)

- **Situation:** Analyzed Twitter data to classify sentiments such as happiness, sadness, and anger
- **Task:** Developed a sentiment analysis model to categorize tweets based on emotional expressions.
- **Action:** Used Tweepy to extract data and TextBlob for text preprocessing and sentiment classification.
- **Result:** Achieved identifying emotional trends with high accuracy, offering insights for social media analytics.

Analysis of COVID-19 lockdown measures (May 2024 – July 2024)

- **Situation:** Studied COVID-19 lockdown impact on case trends in India.
- **Task:** Preprocessed data, conducted exploratory analysis, and tested intervention effectiveness.
- **Action:** Visualized trends and applied statistical tests (T-tests, ANOVA) to evaluate policies.
- **Result:** Highlighted key correlations and trends to support data-driven policymaking.

Data Acquisition and Analysis Dashboard (March 2023 - January 2024)

- **Situation:** Addressed challenges from high customer orders and reviews in periodic cycles.
- **Task:** Developed models and dashboards to streamline inventory management with actionable insights.
- **Action:** Designed and implemented an interactive sales dashboard using SQL, Python, and Tableau.
- **Result:** Delivered 80-95% accuracy in recognizing daily sales patterns.

Decoding the Digital Pitch (June 2022 – October 2022)

- **Situation:** Observed declining player performance in a gaming trilogy's latest versions.
- **Task:** Developed a ML prototype using XGBoost, SVM, and KNN to identify weak zones and improve player skills.
- **Action:** Leveraged analytics to identify version flaws and optimize gameplay dynamics.
- **Result:** Achieved 90% accuracy, improved company ratings by 12%, and increased updates by 15%.

ACHIEVEMENTS:

Certifications: Certified as Data Science Professional from Skillovilla, IBM, IIT Kharagpur, 2024. Certified Microsoft Power BI professional from coursera, 2024. Certified Business Analytics Trainee from Academor India, 2024.

Awards: Awarded with British Airways & Accenture Forage Trainee in field of Data Analytics from class of 2024, Awarded with best player of the tournament from Tamilnadu State Cricket Association in the year 2015.