Hari Chandana Yalavarthi | Business Analyst

San Jose, CA | (669) 225-8881 | yalavarthi.h@northeastern.edu | **LinkedIn**

SUMMARY

Business Analyst with hands-on experience in Python, SQL, Tableau, Power BI, and Excel for data analysis, visualization, and reporting. Familiar with Agile and SDLC methodologies, and skilled in transforming raw data into actionable business insights. Demonstrates a strong foundation in predictive modeling, process optimization, and stakeholder communication, with a keen interest in leveraging data-driven approaches to support strategic decision-making and organizational growth.

SKILLS

Technical Skills: Python (Pandas, NumPy), SQL (MySQL, PostgreSQL), Tableau, Power BI, Excel, R Script, Minitab, AWS (S3, EC2), MS Project, JIRA, Confluence

Methodologies: Agile, Scrum, SDLC, Waterfall

Core Skills: Data Visualization, Predictive Modeling, Business Analysis, UAT, Process Optimization, Stakeholder Communication

EXPERIENCE

Business Data Analyst Intern | Coforge, USA **| Jun 2024 – Sep 2024**

- Collaborated with the analytics team to collect, clean, and organize large datasets using Python (Pandas, NumPy) and SQL to support performance analysis and generate actionable insights.
- Assisted in designing and developing interactive Tableau dashboards that automated key performance reports, resulting in a 30% reduction in manual reporting efforts.
- Worked closely with Agile cross-functional teams to define data requirements, participate in sprint planning, and monitor task progress to ensure timely project completion.
- Performed data validation and quality assurance checks to verify report accuracy and alignment with business objectives.
- Contributed to team meetings by analyzing trends, summarizing findings, and recommending data-driven improvements to enhance reporting and process efficiency.

Research Project Intern | Ananth Technologies, India **| Apr 2022 – Aug 2022**

- Collaborated with research engineers to analyze spectroscopy datasets, interpret material classification results, and support ongoing experimental studies.
- Utilized Python for preprocessing, statistical analysis, and visualization of spectroscopy data to identify trends and improve result.
- Documented analytical procedures, methodologies, and key insights for inclusion in technical reports and research presentations.
- Gained hands-on experience in scientific data workflows, including accuracy verification, result validation, and technical documentation.

Project Management Intern | Thandra Consulting, India **| Jun 2021 – Sep 2021**

- Assisted in collecting, cleaning, and analyzing client marketing data using Excel and SQL to evaluate campaign effectiveness and identify key performance trends.
- Helped design and develop visual dashboards and performance summary reports in Tableau and Power BI to support data-driven decision-making for internal teams and clients.
- Collaborated with project coordinators and team members to streamline workflows and enhance overall communication efficiency.
- Learned core fundamentals of Agile project planning, effective stakeholder communication, and professional report presentation.

PROJECTS

Loan Approval Prediction Model

- Built machine learning models (Logistic Regression, Decision Tree, Random Forest) achieving 92% prediction accuracy.
- Conducted feature importance analysis to identify financial factors influencing loan decisions.
- Visualized results through Python (Matplotlib, Seaborn) for better interpretability and executive presentation.

Customer Churn Analysis

- Designed, trained, and tested predictive models achieving an AUC score of 0.82 for churn prediction.
- Used advanced regularization techniques (LASSO, Ridge) to refine key customer churn predictors and enhance model accuracy.
- Delivered actionable, data-driven insights to support retention-focused business strategies and improve customer engagement.

Latin@s+ Outreach Initiative

- Led data-driven social media and branding project to enhance digital engagement for a university outreach program.
- Applied Monte Carlo simulation for project risk forecasting and scenario analysis.
- Evaluated engagement analytics to recommend strategies that boosted participation and visibility.

Quality Analytics Simulation

- Implemented control charts (X-bar, R, NP, C) in Minitab to assess, monitor, and improve overall process performance.
- Conducted detailed root-cause analysis to identify process variability factors and enhance production consistency.
- Developed actionable recommendations that significantly increased overall process capability, stability, and efficiency.

EDUCATION

Master of Science in Project Management, Northeastern University — *May 2025 (GPA 3.8)*

Bachelor of Technology in Electronics and Instrumentation Engineering, VNR VJIET — *May 2023 (GPA 3.8)*

CERTIFICATIONS

- Operations Management: Quality Analytics — Harvard Business Publishing (Jul 2024)
- Statistics for Data Science — Unschool (Mar 2023)
- Marketing Management: Segmentation & Targeting — Unschool (Feb 2021)