

Hari Chandana Yalavarthi

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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

Programming & Data Tools:	Python (Pandas, NumPy), SQL (MySQL, PostgreSQL), R Script, Minitab
ETL & ELT Pipelines:	Data Extraction, Transformation & Loading (ETL / ELT), SQL-based Data Transformations, Batch Data Processing, Cloud-based Data Pipelines, Data Validation & Reconciliation, Snowflake-based ELT Workflows
Databases & Warehousing:	MySQL, PostgreSQL, Snowflake
Cloud & Platforms:	AWS (S3, EC2)
Visualization & BI Tools:	Tableau, Power BI, Advanced Excel, Pivot Tables, VLOOKUP/XLOOKUP, Macros
Methodologies & Delivery:	Agile, Scrum, SDLC, Waterfall
Business & Analytics Skills:	Data Visualization, Predictive Modeling, Business Analysis, UAT, Process Optimization

EXPERIENCE

Business Data Analyst Intern Coforge, USA	Jun 2024 – Aug 2024
• Collaborated with a 6-member analytics team to collect, clean, and organize 150K+ records using Python (Pandas, NumPy), SQL, and Snowflake to support performance analysis and deliver actionable insights.	
• Designed and developed 12+ interactive Tableau dashboards that automated recurring KPI reports, driving a 30% reduction in manual reporting effort and improving reporting turnaround time.	
• Applied Advanced Excel (Pivot Tables, VLOOKUP, XLOOKUP, Macros) to perform ad-hoc analysis, reconcile datasets from 3+ data sources, and validate metrics prior to dashboard publication.	
• Executed data validation and QA checks across 20+ reports, improving data accuracy and consistency with business KPIs.	
• Analyzed trends and summarized findings for weekly stakeholder reviews, contributing to process improvements that increased reporting efficiency by 20%.	

Research Project Intern Ananth Technologies, India	Apr 2022 – Aug 2022
• Worked with research engineers to analyze 10K+ spectroscopy data samples, supporting material classification & experimental research initiatives.	
• Utilized Python for preprocessing, statistical analysis, visualization of spectroscopy data, improving trend detection and result interpretation.	
• Conducted accuracy verification and result validation across multiple experiments, reducing data inconsistencies and improving experimental reliability.	
• Documented 15+ analytical workflows and findings in technical reports and research presentations, supporting knowledge sharing and future research efforts.	

Project Management Intern Thandra Consulting, India	Jun 2021 – Sep 2021
• Collected, cleaned, and analyzed 50K+ client marketing records using Excel (Pivot Tables, VLOOKUP, XLOOKUP) and SQL to evaluate campaign effectiveness and identify performance trends.	
• Developed 8+ dashboards and performance summary reports in Tableau and Power BI, supporting decision-making for internal teams.	
• Automated recurring Excel reports using Macros, reducing manual reporting time by 25% and improving delivery consistency.	
• Coordinated with project managers and 6+ team members to streamline workflows, improving task tracking and communication efficiency.	

PROJECTS

Loan Approval Prediction Model

- Built machine learning models (Logistic Regression, Decision Tree, Random Forest) on loan records, achieving 92% prediction accuracy.
- Conducted feature importance analysis across 15+ financial variables to identify key factors influencing loan approval decisions.
- Visualized model performance and insights using Python (Matplotlib, Seaborn), improving result for technical and non-technical stakeholders.

Customer Churn Analysis

- Designed, trained, and tested predictive models on 20K+ customer records, achieving an AUC score of 0.82 for churn prediction.
- Applied LASSO and Ridge regularization to refine 10+ key churn predictors, reducing model overfitting and improving generalization.
- Delivered data-driven insights and retention recommendations that could potentially reduce churn by 10–15%, supporting customer engagement.

Latin@s Outreach Initiative

- Led a data-driven social media and branding initiative for a university outreach program, analyzing engagement data from 5+ digital channels.
- Applied Monte Carlo simulation with 1,000+ iterations for project risk forecasting and scenario analysis.

Quality Analytics Simulation

- Implemented control charts (X-bar, R, NP, C) in Minitab to analyze multiple production datasets and monitor process stability.
- Conducted root-cause analysis on 10+ variability factors, identifying key drivers impacting quality and performance.
- Developed actionable recommendations that increased process capability and stability by 20%, improving overall operational efficiency.

EDUCATION

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

Bachelor of Technology in Electronics and Instrumentation Engineering, VNR VJTI — 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)