

Rakshitha Bangalore Ravishankar

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EDUCATION

Master's in Information Technology (Information System Management)

August 2024 - May 2026

Graduate Student at Arizona State University - GPA : 4.0/4.0

USA

Coursework: Analyzing Big Data, Advanced Database Management, Data Visualization, Information System Development, Predictive Analytics.

Bachelor's in Information Science & Engineering

August 2019 – July 2023

BMS College of Engineering - GPA : 3.9/4.0

India

Coursework: Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, AI/ML, Deep Learning

SKILLS

- **Data Analysis & Querying:** SQL, Python (Pandas, NumPy), Excel
- **Data Visualization:** Tableau, Power BI
- **Databases & Cloud Platforms:** PostgreSQL, MySQL, AWS (S3, EMR, Athena, Lambda, SNS, SageMaker)
- **Analytics Concepts:** Exploratory Data Analysis (EDA), KPI Tracking, ETL Pipelines, Data Cleaning, Dashboarding, Reporting
- **Business & Collaboration:** Stakeholder Communication, Requirements Gathering, UAT Support, Data Storytelling, Process Improvement

WORK EXPERIENCE

Associate Analyst, Hatica Labs Pvt Ltd.

India | January 2024 - June 2024

- Analysed product usage data, customer engagement metrics, and feature adoption trends for an engineering analytics SaaS platform, supporting data-driven decisions across Customer Success and Product teams.
- Built and maintained interactive dashboards using SQL, Excel, and BI tools to track KPIs such as onboarding completion, user retention, churn risk, and account health for key enterprise customers.
- Conducted exploratory data analysis on customer behaviour to identify onboarding bottlenecks, usage drop-offs, and upsell opportunities, contributing to improved renewal outcomes.
- Translated customer feedback and business requirements into actionable insights and reports, collaborating with cross-functional stakeholders to prioritize product enhancements.
- Supported leadership with recurring performance reports and ad-hoc analysis, enabling proactive decision-making and improved customer lifecycle management.

Project Trainee – Data Analyst, Brillio

India | June 2023 - September 2023

- Analysed large-scale sales and operational datasets to identify trends, seasonality, and performance gaps, supporting data-driven decision-making for business and manufacturing teams.
- Built and optimized end-to-end data pipelines using Python, Pandas, and SQL to clean, transform, and aggregate data for analytical reporting and forecasting use cases.
- Conducted exploratory data analysis (EDA) and feature engineering to uncover key drivers impacting sales performance and demand variability.
- Developed analytical reports and dashboards to communicate insights on revenue trends, product performance, and process efficiency to cross-functional stakeholders.
- Supported process validation and continuous improvement initiatives by translating analytical findings into actionable business recommendations, gaining exposure to Six Sigma and manufacturing analytics practices.

Business Analyst Intern, Idea Infinity IT Solutions

India | March 2023 - May 2023

- Analysed ATP system transaction data to evaluate payment workflows, identify failure points, and ensure compliance with regulatory and business requirements.
- Collaborated with business stakeholders and technical teams to translate functional requirements into detailed system specifications and test scenarios.
- Executed User Acceptance Testing (UAT), validated system enhancements, and documented defects, ensuring solutions met end-user and compliance expectations.
- Developed Standard Operating Procedures (SOPs), workflow documentation, and testing protocols, improving process consistency and operational efficiency.
- Supported continuous improvement initiatives by analysing system performance data and recommending workflow optimizations to enhance user experience and transaction reliability.

Research Analyst, Defense Research and Development Organization (DRDO)

India | August 2022 - November 2022

- Analyzed large multilingual text and speech datasets to extract patterns and insights supporting research on automated transcription and translation systems.
- Performed extensive data preprocessing, cleaning, and feature extraction on 10,000+ annotated samples to improve data quality and analytical accuracy.
- Evaluated model outputs and performance metrics, identifying error patterns and data gaps to guide iterative improvements and validation processes.
- Collaborated with research scientists to translate analytical findings into documented insights, reports, and presentations for internal stakeholders.
- Contributed to research documentation by summarizing results, visualizing trends, and communicating performance outcomes in a clear, data-driven manner.

PROJECTS

Intelligent Health Monitoring & Heart Attack Risk Analytics

September 2025– December 2025

- Designed an end-to-end cloud-based analytics pipeline to ingest, clean, and analyze patient demographic and physiological data for proactive cardiac risk monitoring.
- Processed and aggregated large-scale health datasets using Apache Spark on Amazon EMR, computing weekly averages of vitals such as heart rate, blood pressure, sleep duration, and activity levels.
- Built interactive dashboards to visualize patient health trends, risk scores, and vital statistics over time, enabling clinicians to monitor high-risk patients and population-level patterns.
- Enabled SQL-based analytics using Amazon Athena to query historical health data and prediction outputs directly from Amazon S3 for trend analysis and reporting.
- Implemented a predictive risk-scoring workflow to categorize patients into low, medium, and high-risk groups, supporting early intervention and preventive care decisions.
- Automated alerting and reporting pipelines using AWS Lambda and Amazon SNS to notify healthcare stakeholders when predefined risk thresholds were exceeded.

Enterprise Sales Data Pipeline & Insights Dashboard

January 2025- June 2025

- Designed and implemented an end-to-end ETL pipeline using Python and SQL to ingest, clean, and transform ~1M enterprise sales records, enabling reliable, near real-time analytics in PostgreSQL.
- Performed exploratory data analysis to identify trends in revenue growth, customer churn, and product performance across regions, time periods, and customer segments.
- Developed interactive Tableau dashboards to track key business KPIs, including sales trends, churn rates, product-wise performance, and customer behaviour, supporting data-driven decision-making for business stakeholders.
- Automated reporting and technical documentation workflows using Generative AI tools, improving reporting efficiency, consistency, and turnaround time for recurring business insights.
- Enabled scalable analytics by structuring datasets to support ad-hoc queries, drill-down analysis, and executive-level reporting.
- Tech Stack: Python, SQL, PostgreSQL, Tableau, ChatGPT, GitHub Copilot

Diabetes Dashboard – Data Visualization Project

January 2025– May 2025

- Designed an interactive healthcare analytics dashboard to analyse diabetes-related hospital data and support clinical, operational, and population health decision-making.
- Visualized key metrics including length of hospital stay, readmission rates, admission types, diagnoses, procedures, and medication usage across patient demographics such as age, gender, and race.
- Built heatmaps, trend lines, bar charts, and stacked visualizations to uncover patterns in treatment outcomes, medication effectiveness, and demographic disparities in care delivery.
- Implemented dynamic filters for insulin type, medication changes, discharge disposition, and readmission status, enabling deep-dive analysis of specific patient subgroups.
- Enabled stakeholders to identify high-risk populations, optimize treatment strategies, improve resource allocation, and support equitable, evidence-based diabetes care.
- Tech Stack: Tableau, Tableau Prep, Excel

CERTIFICATIONS

- [Google Data Analytics Professional Certificate](#) - Coursera | Issued: June , 2025
- AWS Academy Graduate – Data Engineering — Amazon Web Services (2025)
- AWS Academy Graduate – Machine Learning Foundations — Amazon Web Services (2025)
- AWS Academy Graduate – Machine Learning for Natural Language Processing — Amazon Web Services (2025)
- Microsoft Power BI Desktop for Business Intelligence — Udemy (2023)