

SUMMARY

Data Analyst with 3+ years of experience in data analytics, healthcare data reporting, fintech and database design. Skilled in SQL Server, Power BI, Power Platform, DAX, Power Query, Python, and ETL development. Strong knowledge of financial healthcare data including Claims, Member, Provider, and Pharmacy datasets. Experienced in data cleaning, validation, and reconciliation, transforming manual Excel reports into automated BI dashboards. Proven ability to design relational databases, write optimized SQL queries, and produce actionable insights supporting business decisions.

EDUCATION

M.S. Computer Science, Boise State University	– Expected May 2026, GPA 4.0
B.S. Computer Science, Kathmandu University, Nepal	– 2017–2022, GPA 3.33

COURSEWORK

Big Data, Data Science, Machine Learning, Deep Learning, Fundamentals of Databases, Human Computer Interaction, AI Cyber, Data Visualization, Social Media Mining

PROFESSIONAL EXPERIENCE

- Data Analyst Intern | Educational Access Center, Boise State University** Jun 2025 – Present
- Automated previously manual and inconsistent Excel-based accessibility reporting by building **ETL pipelines** using **Excel and SQL** to extract, clean, and transform alternative format production data into interactive Power BI dashboards.
 - Designed dimensional **data models** and applied **Power Query** for efficient data transformation, enabling real-time tracking of **KPIs** such as service utilization, turnaround time, and cost efficiency.
 - Integrated Excel and Power BI** workflows to streamline reporting processes, reducing preparation time by 60% and improving data **accuracy by 20%**.
 - Collaborated with cross-functional stakeholders to validate data through UAT testing and ensure compliance with governance standards.
 - Delivered cost-tracking dashboards comparing in-house versus outsourced production, empowering leadership to identify **\$10K+** in potential annual savings and make data-driven operational decisions.
- Technical Help Desk Specialist | Boise State University** Aug 2024 – Aug 2025
- Handled **50+ monthly support** requests in service now , ensuring timely communication and high-quality customer service.
 - Created documentation for technical troubleshooting and data management workflows, reducing repeated requests by 15%.
 - Supported database access, permissions, and user account management to maintain data integrity and security.
- Team Lead – U.S. Healthcare Data Engineer | Cedar Gate Services, Nepal** Apr 2023 – Aug 2024
- Led daily stand-ups and cross-functional collaboration meetings** with analysts, engineers, and key stakeholders to align data strategy, track project milestones, and ensure timely delivery of healthcare analytics solutions.
 - Built and optimized ETL pipelines** using **SQL and Spark on AWS EMR** to extract, clean, and integrate large claims, member, provider, and pharmacy datasets, **reducing data processing time by 40%** and improving reporting reliability.
 - Designed relational data models** using **Star and Snowflake schemas** to support automated BI reporting and predictive analytics, ensuring **HIPAA compliance** and accurate interpretation of **ICD-10, CPT, and HCPCS codes**.
 - Developed unified dashboards and cost-utilization reports**, consolidating redundant Power BI processes and **enabling stakeholders to monitor performance metrics and identify cost-saving opportunities** across healthcare programs.
 - Collaborated with cross-functional R&D, operations, and compliance teams** to define requirements, validate data during **UAT**, and align analytical insights with business goals — **enhancing decision-making and operational efficiency**.
- Associate Data Analyst | Cedar Gate Services, Nepal** Apr 2022 – Apr 2023
- Built and maintained SQL-based reports and visualizations in Power BI and Tableau for healthcare clients.
 - Performed data cleaning, reconciliation, and validation on claims and provider datasets to ensure quality before loading into BI tools.

- Automated recurring SQL reports, saving 10+ hours of manual work weekly. Assisted in data model design, relationship management, and performance tuning.

PROJECTS

Healthcare Trend Analysis (SQL Server, Power BI, Redshift, Excel)

- Consolidated multi-source healthcare data including Claims, Provider, Member, Pharmacy, and EDI datasets coded with ICD-10, CPT, and HCPCS.
- Built SQL pipelines and Power BI dashboards to analyze cost and utilization trends, improving insight accuracy by 25% and enabling leadership to identify and reduce high-cost areas by 15%.

Accessibility Services Dashboard (Python, SQL, Power BI, Excel)

- Automated manual Excel-based reporting by developing Python and SQL data pipelines and Power BI dashboards with Power Query.
- Reduced manual workload by **60%**, improved data accuracy by **20%**, and enabled real-time self-service analytics for department heads.

Wikipedia Network Analysis (Spark, AWS)

- Processed over 10 million Wikipedia records using Spark SQL on AWS EMR to uncover key network connections and data relationships, improving processing efficiency by 40% compared to local execution.

Student Depression Prediction (Python, AI, ML, Streamlit)

- Built and deployed predictive ML models (XGBoost, Random Forest, CNN) using Python and Streamlit to assess student depression risk, achieving 84% prediction accuracy and enabling early data-driven intervention insights.

SKILLS

- Programming language:** Python, Spark, SQL, Visual Studio, Azure, AWS (S3, Redshift, EMR)
- Programming Skills:** Object-Oriented Programming, SOLID Principles
- Database:** SQL Server, MySQL, DB Design, Data Warehousing, ETL, Data Reconciliation
- BI Tools:** Power BI, Power Query, DAX, Power Apps, Power Automate, Tableau
- Healthcare Data:** Claims, Member, Provider, Pharmacy, ICD-10, CPT, HCPCS, EDI, HIPAA, Medicare
- Analytics:** Dashboards, Trend Analysis, Data Cleaning, Data Validation, Statistical Modeling, KPI Reporting
- Other:** Excel (Pivot Tables, VLOOKUP, INDEX-MATCH, Power Query), Access, API Integration
- Soft Skills:** Stakeholder Collaboration, Customer Service, Problem Solving, Communication, Team Leadership, Communication, Analytical Thinking, Initiative, Problem Solving, Cross-Functional Collaboration, Accountable, Strategic Thinking, Independent and Self-Motivated Detail-Oriented, Fast Learner and Technically Adaptable, Career Growth Mindset

CERTIFICATIONS

- Microsoft Power BI for Advanced Data Analysis – Boise State University
- SQL (Basic) – HackerRank
- Data Analyst with Python – DataCamp
- Introduction to Power BI – DataCamp
- Introduction to Tableau – DataCamp
- Introduction to Snowflake – DataCamp

LEADERSHIP & ACTIVITIES

- Event Coordinator – Nepali Night, Boise State (2025): Led 200+ participant event planning and logistics.
- Accessibility Volunteer – Boise State (2024–Present): Supported creation of accessible materials and IT resources.
- Treasurer – KU Computer Club, Nepal (2021): Managed budgets and sponsorships for national IT event.

HONORS & AWARDS

- Graduate Gems Scholarship – Boise State University (2024–Present)
- Merit-based Scholarship – Kathmandu University (2017)