UTSAV SHRESTHA

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Education

Bachelor of Computer Science & Information Technology (BSc. CSIT), New Summit College

2021-2025 | Kathmandu, Nepal   Percentage (Average): 80%

High School Physics Major, Trinity International College

2018-2020 | Dillibazar, Kathmandu, Nepal   CGPA: 3.5/4.0

Skills

- **Programming Languages |** SQL, Python, Bash, Linux, Html, CSS, JS
- **Libraries |** Django, Python libraries (Matplotlib, NumPy, Pandas, Seaborn, beautiful Soup)
- **Databases |** MySQL, BigQuery, Oracle, MongoDB, PostgreSQL,
- **Tools |** Power Bi, Airflow, Snowflake, GitHub, Trello, Jira, Slack
- **Data Engineering Skills |** ETL/ELT pipelines, data warehousing
- **Soft Skills |** Leadership, Adaptability, Team player, Communication, Problem solving

Experiences

Data Analytics/Engineer – Internship   November 2024 – March 2024

LIS Nepal, Lalitpur   *Onsite*

- Migrated data from **Oracle** databases to BigQuery, improving reporting and analytics processes.
- Optimized **SQL** queries for large-scale data processing, improving execution speed by 60%.
- Automated data extraction processes from YAML file to existing excel documentation, reducing manual intervention by 80%.
- Developed ETL pipelines using **SQL** and Airflow for seamless data integration, transformation and migration.
- Assisted in the creation of Power BI dashboards for annual reporting, optimizing data visualization.
- Extracted data from multiple source and performed data cleaning and validation of dirty data for visualization.
- Optimized the Airflow DAGs which performed ETL on the data from BigQuery.

Database Administrator – Apprenticeship   April 2024 – July 2024

CodeRush, Bhanimandal, Lalitpur   *Onsite*

- Designed, managed, and optimized databases using **SQL** for efficient data storage and retrieval.
- Implemented database backup, recovery, and restoration strategies using **SQL**, ensuring data integrity and availability.
- Tuned database performance and optimized queries for faster processing.
- Led a team of 7 members for final project.

Business Data Analyst – Internship   **September 2024 – November 2024**
CloudTech Services, Kathmandu   *Onsite*
- Conducted data analysis using **SQL** to extract insights from business data.
- Collaborated with clients to define and prioritize backlogs, effectively translating business requirements into clear, actionable user stories.
- Created KPI dashboards in Power BI and Excel to track performance trends.

Corporate Venture Capital & Business Analytics – Externship   **March 2024 – May 2024**
Hp Tech Ventures, USA   *Remote*
- Utilized Python, **SQL** and Excel to analyze data, identifying key trends and values.
- Performed detailed business analytics for a corporate venture capital firm.
- Researched startup metrics, industry data, team, and business models.
- Recommended promising startups for further investment due diligence.

Projects

- **Health Analytics, Exploratory Data analysis on OCD patient**
  - Performed SQL based exploratory data analysis on OCD patient data
  - Technologies used: SQL, Python, Power Bi
- **Spotify Airflow Automation**
  - Developed Apache Airflow DAGs to automate data extraction of Spotify playlists and track user activity regularly.
  - Technologies used: SQL, Python, Airflow, Astro
- **Disease prediction/classification and doctor recommendation along with booking site**
  - Created a web application that predicts diseases and facilitates doctor appointment
  - Technologies used: PostgreSQL, Python (Django), Html, CSS, Js
  - Algorithms: Naïve Bayes, Decision Tree, Content Filtering
- **Online Attendance System called Footendence**
  - Developed a web application using machine learning for attendance tracking
  - Technologies Used: HTML, CSS, Python, Jupyter

Certifications

- **Associate Data Engineer in SQL -** Datacamp
- **Meta Data Analyst Professional Certificate** – Coursera
- **Introduction to Apache Airflow -** Datacamp
- **Data Visualization in Power Bi** - Datacamp

Extra Curriculars

- Led a weeklong bootcamp on frontend development among 45+ enthusiasts.
- Organizer for Inter College CSIT Basketball Tournament.
- Led multiple MUN's as Acting Chair as well as runner up in Indian MUN (IIMUN).
- School representative for 2 and a half years.
- Scout Troop leader for a year.
- General Member of Leo Club Bhrikuti.