

SUBASH KHANAL

Samakhusi, Kathmandu | 9865003545 | [Gmail](#) | [Linkedin](#) | [Github](#) | [Portfolio](#)

Proficient in Data analysis, Dashboarding, Insight analysis with Computer Science background with hands on experience in SQL, Excel, Power BI, Python. Honing strong analytical skills, decision-making, problem solving abilities with learning mindset and proactive approach.

TECHNICAL SKILLS

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|--------------------|------------------|-----------|----------------------|
| • Power BI Desktop | • Advanced Excel | • Python | • Data Modelling |
| • Power BI Service | • SQL | • Pandas | • Data Visualization |
| • Power Query | • MySQL | • Numpy | • Data Cleaning |
| • DAX | • SQL Server | • Seaborn | • Data Storytelling |

WORK EXPERIENCE

Freelancer | Omdena, Remote | [View Credentials](#)

11/2024 – Present

- Extracted and preprocessed diverse datasets from multiple sources, ensuring data quality and readiness for analysis, enhancing project efficiency by 40%.
- Fine-tuned LLM model and built a predictive system for local news aggregator for Kitwe, Zambia to distinguish between real and fake news in real-time obtaining an accuracy of 98%, 100% precision and 99% F1 score.
- Lead streamlit interface and deployment task to build an interactive interface, facilitating stakeholder decision-making.

Tools used: Python, SQL, Streamlit, Excel, Seaborn, Hugging Face, Matplotlib.

PROJECTS

HR analysis Dashboard | [View project](#)

- Designed an interactive HR analytics dashboard to analyze key metrics such as attrition rate, job satisfaction index, employee demographics, and department-wise performance.
- Implemented filters for department, age group, job role, and gender to provide dynamic insights and enhance data exploration capabilities.
- Visualized critical KPIs, including active employees, education fields, and age groups, enabling stakeholders to identify patterns and address workforce challenges effectively.

Tools used: SQL, Power BI desktop, Excel, Power Query, DAX Functions.

Unemployment Analysis | [View project](#)

- Conducted a comprehensive analysis of global unemployment trends from 1991 to 2021, identifying key regional disparities and economic impacts, improving data-driven insights.
- Visualized unemployment data using Seaborn and Matplotlib to highlight patterns across continents and countries, facilitating effective storytelling with data.
- Forecasted Nepal's unemployment rate through 2030 using the ARIMA model, uncovering an upward trend and emphasizing the need for proactive job creation policies.

Tools used: Python, Pandas, Seaborn, Matplotlib, ARIMA model.

Biblical Character Analysis | [View project](#)

- Extracted character names and relationships from text using spaCy, identifying the most influential characters and important connections within the network.
- Visualized the network using NetworkX, revealing David as more influential than Jesus and the significant connection between David and Jesus.

Tools used: Python, spaCy, NetworkX, Matplotlib.

EDUCATION

Bachelor of science in Computer Science

2020 – Present

Kathmandu University