BINOD B K
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OBJECTIVE:

Results-driven Data Analyst & Engineer with expertise in data analytics, machine learning, and software development. Skilled in Python, SQL, and big data processing, I bring hands-on experience in ETL, data visualization, and cloud computing. Passionate about turning raw data into actionable insights, optimizing data-driven processes, and developing scalable analytical solutions. A strong communicator and problem solver, I thrive in fast-paced, cross-functional environments and excel at data integrity, automation, and reporting. Seeking opportunities to contribute to data-driven decision-making and enhance business intelligence strategies.

HIGHLIGHTS OF QUALIFICATIONS:
- Strong analytical and problem-solving abilities with hands-on experience in data processing, transformation, and visualization.
- Proficiency in Python, SQL, R, and data modeling techniques to support statistical analysis and business intelligence.
- Expertise in ETL pipelines, data automation, and workflow optimization for efficient data handling.
- Experience with big data tools (Hadoop, Spark) and cloud platforms such as Azure.
- Skilled in data visualization (Tableau, Power BI, Matplotlib, Seaborn) to present insights clearly.
- Familiar with machine learning algorithms, predictive analytics, and feature engineering.
- Strong knowledge of database management (SQL, NoSQL, MongoDB, PostgreSQL).
- Ability to work independently and collaboratively in Agile/Scrum environments, with experience using Jira.
- Experienced in technical documentation, stakeholder communication, and project coordination.

TECHNICAL SKILLS:
- Programming Languages: Python, SQL, R, JavaScript
- Data Analysis & Processing: Pandas, NumPy, Excel, Statistical Modeling, SQL Queries
- Databases & Storage: MySQL, PostgreSQL, MongoDB
- Data Visualization: Power BI, Tableau, Matplotlib, Seaborn
- Big Data & Analytics Tools: PySpark, Hadoop, Apache Hive
- Machine Learning & AI: Scikit-learn, TensorFlow, Data Preprocessing , LLM
- Cloud Platforms: Azure
- Project Management & Collaboration: Jira, Confluence, Agile methodologies

CLOUD & BIG DATA WORKSTATION (HANDS-ON AI & CLOUD DEPLOYMENT):
- Azure Virtual Machine (Ubuntu Server): Deployed and configured a remote Ubuntu Server VM on Azure for Big Data tools
- Big Data & Cloud Tools: Installed and operated Hadoop, Hive, Pig, MongoDB for large-scale data processing
- Remote Access & SSH: Accessed Azure VM using WSL (Windows Subsystem for Linux) Terminal via SSH
- Data Transfer: Used WinSCP for transferring large datasets between local machine and cloud server
- Cloud-Based AI & Analytics: Ran Hadoop MapReduce jobs, Hive queries, and managed NoSQL databases (MongoDB) on the cloud

EDUCATION:

Applied A.I. Solutions Development   **2024 – Present**
George Brown College, Toronto, ON
- Learned machine learning algorithms, big data technologies, and data management principles.
- Developed data visualization skills using Python and Tableau for insightful analytics.
- Applied mathematics for machine learning, covering linear algebra, probability, and optimization.
- Explored AI ethics and design thinking for AI solutions to create responsible and innovative applications.

Bachelors in Computer Application   **2018 - 2022**
Tribhuvan University, Kathmandu, Nepal | **CGPA: 3.48**
- Acquired proficiency in multiple programming languages: C, Java, PHP, JavaScript, and Python.
- Studied data structures and algorithms, focusing on problem-solving and computational efficiency.
- Gained insights into cloud computing and Internet of Things (IoT) applications.
- Explored network security, database management, and systems programming to build secure and scalable applications.

CERTIFICATIONS:

- Data Science Specialization– IBM (2025)
- Python Programming Certification – Asian School of Management and Technology (2020)
- Enterprise Design Thinking Practitioner – IBM (2024)
- Computer Security and Systems Management – University of Colorado (2025)
- Github Foundations Certification (2025)

PROFESSIONAL EXPERIENCE:

Junior Data Analyst   **March 2023 to April 2024**
Nepalairlink Private Limited, Kathmandu, Nepal
- Analyzed customer usage data using Python and SQL to support business decisions.
- Developed Tableau dashboards showcasing customer trends and performance metrics.
- Automated report generation processes, improving operational efficiency.
- Applied predictive analytics for user churn prediction and retention planning.
- Monitored real-time network data to ensure optimal performance.

Full-Stack Developer   **April 2021 to March 2023**
Doppler Trade Private Limited, Kathmandu, Nepal
- Designed and deployed a custom billing system with wallet integration.
- Developed APIs for seamless communication with Mikrotik Routers.
- Created CRM systems and web-based hotel management platforms.
- Implemented scalable, user-centric solutions using PHP and JavaScript.

Data Entry Specialist   **May 2020 to March 2021**
Vine Software Innovation Company Pvt. Ltd, Kathmandu, Nepal
- Ensured accuracy in data entry and validation processes.
- Digitized physical records for efficient database management.

VOLUNTEER EXPERIENCE:

Asian Hackathon Mentor   **July 2024**
Asian School of Management and Technology, Kathmandu, Nepal
- Guided participants in refining their project ideas and development strategies during the hackathon.
- Provided mentorship on technical problem-solving and project execution.
- Facilitated brainstorming sessions to help teams align their ideas with hackathon goals.
- Supported participants in overcoming technical challenges, ensuring project completion.

PROJECTS:

- Movie Recommendation System (Machine Learning Algorithms)
- NYC Yellow Taxi Analysis (Tableau, PowerBI)
- News Article Summarization (Python, Machine Learning Algorithms)
- Book Rental System (Web Application)
- Django Learning Log (Web Application)
- LLMs – You Can't Please Them All (Kaggle Competition)