ABHISHEK KC

Stoke-on-Trent, UK | 07352 024679 | abhishekkc010@gmail.com | linkedin.com/in/abhishek-kc-64986b1b1

SUMMARY

MSc Computer Science candidate seeking graduate/junior software development or data analyst roles. Hands-on experience in database engineering, ETL pipeline development, and data quality assurance, built through production work migrating multi-terabyte datasets and academic projects spanning relational and NoSQL systems. Proficient in Python, SQL, Dart (Flutter), and Bash, with strong communication and teamwork skills from customer-facing roles.

EDUCATION

MSc Computer Science | Keele University, UK *Sep 2025 – Sep 2026*

Core Modules: Advanced Programming and Data Management (MySQL), Mathematical Techniques for Computational Sciences, Fundamentals of AI (Python and ML), Agile Software Engineering.

BSc (Hons) IT Computing, 2:1 | London Met. University (Islington College, Nepal) *Mar 2019 – Dec 2022*

Core Modules: Object-Oriented Programming (Java, .NET, Python), Relational Databases (MySQL, Oracle), Mobile Application Development, Web Development (HTML, CSS).

TECHNICAL SKILLS

Languages: Python, SQL, C# / .NET, Dart (Flutter), Bash, Java, HTML, CSS

Databases: MySQL, PostgreSQL, Oracle, TiDB, NoSQL

Tools & Frameworks: Pandas, NumPy, Selenium, Django, Git, REST APIs,Airflow,Jira

Concepts: ETL Pipelines, Data Quality Assurance, Database Migration, Performance Tuning, Agile Software Engineering, Machine Learning

PROFESSIONAL EXPERIENCE

Customer Service Assistant (Part-time) | One Stop, UK *Dec 2025 – Present*

- Deliver prompt, accurate customer service in a fast-paced retail environment, including until operation, inventory restocking, and expiration-date audits.
- Working across all areas of the store including, online, the tills, replenishment, vending and stock routines to ensure tasks is completed to meet the needs of our customers.

Asst Database Engineer | eSewa Pvt. Ltd. *Mar 2023 – Nov 2024*

Kathmandu, Nepal

- Supported large-scale migration of a multi-terabyte production dataset from MySQL to TiDB; wrote Bash and Linux shell scripts to automate cross-batch checks (row counts, schema parity, referential integrity) across 500TB batches, reducing manual verification time
- Built and maintained ETL pipelines extracting data from transactional databases, transforming it with Python/Pandas, and loading it into analytics tables used by downstream reports/teams.
- Implemented data quality checks (null detection, duplicate handling) and tuned SQL queries, cutting slow-running report runtimes by 5%.

Data Engineering Intern | Grow By Data *Oct 2022 – Feb 2023*

Kathmandu, Nepal

- Engineered automated Python web scrapers (Selenium, Requests) to extract structured product data from e-commerce sources, collecting records.
- Cleaned, reduplicated, and transformed scraped datasets using Pandas, loading results into relational SQL databases for client analytics.

ACADEMIC PROJECTS

Energy-Efficient Computation in Large Databases | Keele University *2026 (Ongoing)*

- Investigating and optimising computational energy consumption metrics across large-scale relational and NoSQL database systems using custom testing frameworks.
- Optimised database schemas and indexing strategies to reduce computational overhead and resource usage. Technologies: SQL, NoSQL, Performance Tuning.

Conference Database System | Keele University *2026*

- Designed and normalised a relational schema for a multi-department conference data management system; built a web front-end on Oracle SQL Developer with CRUD operations, reporting views, and role-based access (Oracle SQL, HTML).

Blood Donation Platform | BSc Final Year Project *2022*

- Developed a cross-platform mobile app (Flutter) connecting blood donors with recipients, backed by a Django REST API and PostgreSQL data layer, including location-based matching logic.

Music Recommendation System | BSc Final Year Project *2022*

- Built a content-based music recommender using K-Nearest Neighbours on audio feature similarity; preprocessed metadata with Pandas/NumPy and iterated on feature weights through similarity scoring.

CERTIFICATIONS & CONTINUOUS LEARNING

- EC-Council – SQL Injection
- The Open University – Database Life Cycle
- Additional coursework: AWS (Machine Learning Terminology), Google Cloud (AI for Beginners), LinkedIn Learning (Python, Cloud Computing, Oracle Database 12c).