Utsav Budathoki

Data Engineer

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GitHub: https://github.com/Utsav78
Full-time Working Right

CAREER OVERVIEW

- Key skills – Data Engineering | Snowflake | ETL | Python | Azure | AWS | Java | Kotlin | Apache Spark | SQL | NOSQL | Data Analysis | Data Cleaning | Data Modelling | Web Scraping | dbt |

- A results-driven Data Engineer with 1+ year of experience designing and implementing data pipelines using cloud platforms such as AWS, Azure, and Snowflake. Adept at developing scalable solutions and streamlining data workflows to support business intelligence and analytics. Experienced in mobile application development, with a strong understanding of full-stack development principles. Proven ability to work collaboratively in agile teams and deliver high-quality software in fast-paced, deadline-driven environments.

- Holds a Master of Information Technology and possesses practical knowledge in data engineering, software development, and data warehousing. Dedicated to applying engineering expertise to contribute to sustainable and innovative infrastructure solutions.

EMPLOYMENT HISTORY

Apr 2022-Dec 2022	**SOFTWARE ENGINEER**
	EB Pearls, Nepal
	EB Pearls is a leading digital agency specializing in web and mobile app development, delivering innovative digital solutions for businesses across Australia.
Duties:	- Developed and maintained iOS applications, worked closely with senior developers and followed established coding guidelines and best practices. - Created reusable components that can be utilized for various other application sections using Swift and UIKit. - Implement backend functionality to support login, signup, payment processing, and card validation. - Collaborated with a team of 4 developers and designers to implement new features, reducing development time by **20%** through agile practices. - Improved UI responsiveness and app usability, contributing to a **25% increase** in user engagement and positive App Store feedback.
Skills:	iOS Development	MVVM Architecture	GitHub	Unit Testing	Combine	UIKit	Swift	API integration	Design Pattern	SwiftUI	
Key Project:	**Halo Mobile App, Australia –** Managed Worked on developing UI for the iOS application, focusing on delivering a seamless and user-friendly experience for donors and recipients.

- Designed and implemented intuitive UI screens using UIKit, ensuring a seamless experience for both donors and recipients.

- Collaborated with backend developers to integrate donation workflows and user authentication via RESTful APIs.
- Ensured responsive design compatibility across iPhone and iPad devices, maintaining consistency with Halo's brand guidelines.
- Conducted UI/UX testing and iterations based on user feedback to enhance accessibility and reduce navigation friction.

EDUCATION BACKGROUND

Academic Qualifications

Jul 2023 – Jul 2025	**MASTER OF INFORMATION TECHNOLOGY** Flinders University – Adelaide, SA

Key Study Areas: Data Engineering | Data Science | Software Engineering | Cloud Computing | Project Management | DevOps Practices | Software Testing | Information Security |

Project 1: Flinders Chemical Ordering System

Streamlined the chemical ordering process at Flinders University by gathering requirements and supporting Agile DevOps practices to improve workflow efficiency and compliance.

Project Duties

- Facilitating requirements gathering sessions with academic and technical stakeholders.
- Documenting functional and non-functional requirements with clarity and precision.
- Collaborating with developers and testers to ensure alignment on user stories and acceptance criteria.
- Conducting process mapping and identifying opportunities for automation in chemical ordering workflows.
- Utilizing Jira and Confluence for tracking progress, documenting sprint goals, and maintaining project transparency.
- Participating in sprint planning, reviews, and retrospectives to support Agile delivery.
- Validating user experience and system functionality through stakeholder demos and UAT sessions.

Project 2: Twitter Data Pipeline

Developed a real-time Twitter data pipeline to collect, process, and visualize tweet sentiment using open-source tools and cloud-based services, with a focus on data engineering principles and scalable architecture.

Project Duties

- Building a data pipeline to fetch recent tweets on specific topics using the Twitter API.
- Scheduling automated tweet collection using AWS EventBridge.
- Storing tweet data in DynamoDB for scalable and efficient retrieval.

- Implementing AWS Lambda functions to process and route tweet data.
- Ensuring error handling and logging mechanisms for data reliability.
- Collaborating with peers to align on API usage limits and data formatting.
- Documenting the pipeline workflow and presenting the solution to academic evaluators.

Mar 2011 – Dec 2011	**BACHELOR OF COMPUTER ENGINEERING** Kathmandu Engineering College – Kathmandu, Nepal *Key Study Areas:* Big Data | Artificial Intelligence | Computer Graphics | Database Management | Data Modelling | Computer Architecture | Microprocessor

Project 1: Folk Musical Instrument Detection

Developed an image classification model to identify Nepali Folk Musical Instruments using machine learning and integrated it into an Android application.

Project Duties

- Collected and curated a diverse dataset of Nepali folk musical instruments through web scraping and field visits to museums.
- Trained an image classification model using machine learning algorithms to recognise various traditional instruments.
- Optimized and converted the model using TensorFlow Lite for efficient mobile deployment.
- Integrated the machine learning model into an Android application using Java and XML.
- Ensured accurate real-time predictions on-device, contributing to the preservation and digital recognition of Nepal's cultural heritage.

Project 2: Hostel Booking System – Android App

Developed a Hostel booking system built on an Android application that allows users to search, view, and book hostels across Nepal with real-time data, secure authentication, and integrated map navigation using Firebase and Google Maps APIs.

Project Duties

- Designed and developed a full-featured hostel booking app for Android using Java and XML, targeting students and travellers across Nepal.
- Implemented Firebase Authentication for secure login and signup functionality, ensuring real-time user data validation.
- Integrated Firebase Realtime Database and Cloud Firestore to manage hostel listings, user bookings, and reviews dynamically.
- Built robust search and filter features to allow users to easily find hostels based on location, price, and amenities.
- Integrated Google Maps API for location-based services, enabling users to view and navigate to hostels directly from the app.

Professional Qualifications & Courses

2025	**ASSOCIATE DATA ENGINEER IN SQL** DataCamp
2025	**Database Design and Data Warehousing Concept** DataCamp
2024	**STEM Virtual Intern** Deloitte
2021	**UNDERSTANDING DATA SCIENCE AND MACHINE LEARNING** DataCamp

SKILLS SUMMARY	
Technical skills	- AWS - Azure - Snowflake - Python - Java - SQL | MYSQL | PostgreSQL - NOSQL | Firebase FireStore | MongoDB - Data Modelling - Data Warehousing
Soft skills	- Teamwork - Communication - Problem-Solving - Time Management - Adaptability - Leadership - Conflict Resolution - Critical Thinking - Collaboration

REFEREES

Karan Khadka

Head Chef, The Lonsdale Hotel

Head Office – Adelaide SA 5000

Mobile: 0403 456 789 | **Email:** karan@lonsdalehotel.com.au

Former Supervisor at The Lonsdale Hotel – Supervised my performance and worked in the Kitchen including food preparation, service, and adherence to safety and quality standards.

He is my current supervisor at the Lonsdale Hotel, overseeing my work in food preparation, and service.

Prince

Software Engineer, Journey Beyond

Adelaide SA 3000

Phone: 0468820552 | **Email:** prince0991@outlook.com

He is a colleague I worked closely with on multiple software and data projects at the university.

David Bello

Student Representative, Flinders University

Adelaide SA 5000

Mobile: 0404316163 | **Email:** david.bello@flinders.edu.au

He is a colleague I worked closely with on multiple software and data projects at the university.