Anushka Sandeepa

Data Engineer

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Data Engineer with a Master's degree in Data Science and hands-on experience designing automated data pipelines, analytics platforms, and cloud based workflows. Proven ability to ingest, transform, and structure data from multiple sources, reducing manual processing by 80%. Strong background in Python, SQL, AWS, and production system design, with experience bridging software and data engineering to deliver scalable, reliable data solutions.

WORK EXPERIENCE

Data Analyst Intern   Jul 2025 - Oct 2025

Alike Inc. | Perth, WA

- Designed and delivered an end to end analytics platform using Python, Electron, and React, automating evaluation reporting for workshops and events.
- Built automated data ingestion and transformation pipelines integrating Microsoft Forms and Excel into structured datasets, reducing manual processing by 80%+.
- Developed reusable Python ETL workflows to calculate confidence, satisfaction, and comparison metrics, ensuring data quality, consistency, and repeatability.
- Implemented automated report generation and exports in PDF and Excel, delivering stakeholder ready outputs with improved turnaround time.

IT Support   Mar 2025 - Dec 2025

Parklane Investment Group | Perth, WA

- Delivered end-to-end IT support for a mining services organisation providing vehicle and equipment hire and rail inspection operations, ensuring technology reliability across daily field and office activities.
- Supported and maintained inventory and asset tracking processes, helping teams accurately monitor equipment movements, availability, and operational usage.
- Operated as the primary onsite IT resource, independently handling user support, device setup, system troubleshooting, documentation, and ongoing technical improvements to keep operations running smoothly.

Software Engineer   Sep 2022 - Jan 2024

Amerck Inc. | Kirulapone, Sri Lanka

- Progressed from Trainee to Software Engineer based on strong technical performance and delivery quality.
- Developed and maintained backend and web applications using Java, Node.js, Express.js, and React, supporting data driven business workflows.
- Built and enhanced backend services handling data ingestion, validation, transformation, and processing from application and API sources.
- Improved system reliability and data consistency by leading debugging and testing efforts, increasing legacy system stability by 40 percent and reducing support overhead.
- Deployed and managed cloud hosted applications on AWS, supporting application scalability, availability, and environment configuration, and produced clear technical documentation for internal teams.

Trainee Software Engineer
Feb 2020 - Aug 2020

Sierra Technology Holdings (Pvt) Ltd | Nugegoda, Sri Lanka

- Developed patient EMR system and presented it to the NBQSA 2020 competition.
- Collaborated with senior personnel to troubleshoot and diagnose issues with equipment.
- Provided technical support for engineering staff during installation activities.

CORE SKILL

- **Data Engineering & Automation** – Built automated ETL pipelines to ingest, transform, validate, and structure data from multiple sources, improving data quality and reporting scalability.
- **Programming & Querying** – Strong in Python (data processing, automation) and SQL (querying, transformation, validation), with solid OOP skills in Java and JavaScript.
- **Cloud & Infrastructure** – Deployed and supported cloud applications using EC2, S3, Lambda, DynamoDB, SageMaker, and Bedrock, with focus on scalability and environment setup.
- **Analytics & Delivery** – Developed predictive and classification models using 50,000+ records, with strong debugging, testing, and documentation skills for reliable solutions.

EDUCATION

University of Western Australia
Feb 2024 - Dec 2025

Master of Data Science

NSBM Green University
Mar 2018 - Dec 2022

Bachelor of Science Engineering (Hons) Computer Systems Engineering
GPA: 3.85 (1st Class)

ICBT Camps
Aug 2017 - Mar 2018

Diploma Information & Communication Technology

AWARDS & CERTIFICATES

- Best Performance Award (2022) on BSc. Eng. (Hons) in Computer Systems Engineering at NSBM Green University, Sri Lanka.
- AWS Academy Graduate, completed *AWS Academy Cloud Foundations* course issued by Amazon Web Services Training and Certification in 2022.
- AWS Cloud Quest: Generative AI Practitioner, completed hands-on training in generative AI using Amazon Bedrock, SageMaker, Lambda and DynamoDB.
- Databricks Fundamentals Accreditation: Completed foundational training on Databricks Lakehouse architecture, data engineering, and analytics concepts.

REFEREES

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Mr. Andrew Gamage

Director at Parklane Investment Group

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