Anushka Sandeepa

25 Oldfield Chase Brabham, WA 6055 | +61 452 537 745

anushkasandeepa111@gmail.com | portfolio-anushka | linkedin.com/dmasandeepa

---

SUMMARY

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 percent. Strong background in Python, SQL, AWS, and production system design, with experience bridging software engineering and data engineering to deliver scalable, reliable data solutions.

EDUCATION

Master of Data Science
University of Western Australia - Perth, WA | Feb 2024 – Dec 2025

Bachelor of Science Engineering (Hons) in Computer Systems Engineering
NSBM Green University - Homagama, Sri Lanka | Mar 2018 - Dec 2022
Honors: 1st Class Honors (GPA – 3.85)

Diploma in Information & Communication Technology
ICBT Camps - Galle, Sri Lanka | Aug 2017 - Mar 2018

EXPERIENCE

Data Analyst Intern
Alike^{WA} Inc. – Perth, WA | Jul 2025 – Oct 2025

- Designed and implemented an end-to-end data processing platform using Python, Electron, and React to automate evaluation reporting for workshops and events.
- Built automated data ingestion and transformation workflows to consolidate Microsoft Forms and Excel inputs into structured, analysis-ready datasets, reducing manual spreadsheet handling by over 80%.
- Developed Python-based ETL pipelines to calculate confidence, satisfaction, and comparison metrics, ensuring consistency, accuracy, and repeatability across reporting cycles.
- Implemented automated report generation workflows producing visual summaries and exports in PDF and Excel formats for stakeholders.

Software Engineer
Amerck Inc. – Kirulapone, Sri Lanka | Sep 2022 - Jan 2024

- 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 server-side components handling data ingestion, validation, 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
Sierra Technology Holdings (Pvt) Ltd – Nugegoda, Sri Lanka | Feb 2020 - Aug 2020

- 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.
- Maintained detailed meeting notes and diligently managed product documentation.

CO-CURRICULAR AND EXTRACURRICULAR

- President from 2020 to 2022 at the Association of Engineering at NSBM Green University, Sri Lanka.
- Director of Marketing & Promotions from 2019 to 2020 at the NSBM IEEE Student Branch, Sri Lanka.
- Club Coordinator of the Drama Club from 2018 to 2020 at NSBM Green University, Sri Lanka.
- Club Coordinator of the Swimming Club from 2018 to 2022 at NSBM Green University, Sri Lanka.

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.

SKILLS

- **Data Engineering & Automation**
  Designed and implemented automated data pipelines to ingest, transform, validate, and structure data from multiple sources. Built ETL workflows that improved data accuracy, consistency, and reporting scalability.
- **Programming & Querying**
  Proficient in Python for data processing, automation, and pipeline development, and SQL for querying, transforming, and validating structured datasets. Strong object-oriented programming skills using Java and JavaScript.
- **Cloud & Infrastructure (AWS)**
  Hands-on experience deploying and managing cloud-hosted applications on AWS, including EC2, S3, Lambda, DynamoDB, SageMaker, and Bedrock. Familiar with cloud-based scalability, availability, and environment configuration.
- **Analytics & Engineering Practices**
  Developed predictive and classification models on datasets exceeding 50,000 records. Strong testing, debugging, and technical documentation skills to ensure reliable, maintainable, and production-ready data systems.

REFEREES

Amanda Muir
B. Creative Industries (Marketing & Communications)
CEO of [Alike WA](#)
amanda@alike.org.au
+61 89 364 6909

Mr. Dumeen Abeywickrema
B.Sc. Computer Science & Mathematics.
Founder & CEO of [Amerck Inc.](#)
dumeen@amerck.com
+94 77 856 8038

PERSONAL Referee

Meenu Vitharana
Manager (Native Vegetation Regulation / Approvals)
Department of Water and Environmental Regulation
meenu.vitarana@dwer.wa.gov.au
(08) 6364 7242