Ruwan Senanayake

AI Engineer | Data Engineer

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PROFESSIONAL SUMMARY

AI Engineer with a combined background in data engineering, machine learning, and cloud-native application development. Experienced in building data pipelines, training predictive models, deploying APIs, and integrating AI features into enterprise systems. Strong understanding of databases, ETL, model monitoring, and scalable backend design.

CORE TECHNICAL SKILLS

Python | SQL | PySpark | Scikit-learn | TensorFlow | FastAPI | Airflow | Kafka | PostgreSQL | MongoDB | Docker | AWS

PROFESSIONAL EXPERIENCE

AI/Data Engineer - NorthWest Cloud Analytics, Colombo

Apr 2023 - Present

Designed ETL pipelines for customer and transaction data using Python, SQL, and Airflow.

Built propensity scoring models to identify high-value sales opportunities for CRM users.

Deployed model APIs behind authentication and logging layers for internal business applications.

Software Engineer - Data Platforms - Kurunegala Tech Services, Kurunegala

Jun 2021 - Mar 2023

Developed backend services for analytics products using Python and REST APIs.

Optimized SQL queries and data models for reporting performance.

Implemented scheduled batch jobs for data validation, transformation, and export.

SELECTED AI PROJECTS

Loan Risk Scoring Model

Created a credit risk model using historical repayment, income, and profile data with explainability reports.

Automated Data Quality Monitor

Built an alerting service to detect missing, delayed, and abnormal data loads in analytics pipelines.

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EDUCATION

BSc (Hons) in Computer Engineering – University of Peradeniya, 2021

G.C.E. Advanced Level – Physical Science Stream, Maliyadeva College, Kurunegala

CERTIFICATIONS

AWS Certified Machine Learning – Specialty Preparation

DataCamp: Machine Learning Scientist with Python

Apache Airflow Fundamentals

TOOLS & PRACTICES

MLOps basics, model versioning, experiment tracking

API integration, Agile delivery, technical documentation

Model evaluation, error analysis, monitoring, retraining

LANGUAGES

English – Professional Working Proficiency

Sinhala – Native

REFERENCES

Available upon request.

Dummy CV generated for sample use. All personal details are fictional.