



DIRECTORATE OF INDUSTRIAL LIAISON

NED University of Engineering & Technology

University Road, Karachi-75270 Pakistan

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'SAY NO TO CORRUPTION'

08-08-2025

Job Title: Python Data Science Engineer – Model Automation

Location: Remote (Company based in Australia and Canada)

Job Type: Full-Time

About the Role

We are looking for a talented **Data Science Engineer** to automate complex data analysis workflows and convert models developed in MATLAB and other statistical platforms into robust, production-grade Python applications.

This is a **remote-first role**, but **working hours must offer sufficient overlap with teams in Australia and Canada**. You'll collaborate closely with domain experts, engineers, and product teams across time zones to ensure mathematical models are translated into efficient and scalable Python solutions.

Key Responsibilities

- Translate mathematical models and routines from MATLAB, SPS, and similar tools into clean, production-ready Python code.
- Automate end-to-end data analysis workflows, from raw data processing to result generation.
- Collaborate with subject matter experts to preserve model fidelity and ensure correctness of implementation.
- Implement and optimize algorithms in **numerical analysis** and **signal processing**, tailored to real-world, often noisy datasets.
- Build modular, well-documented, and unit-tested Python libraries and packages for deployment.
- Work with product and engineering teams to integrate models into applications and services.

Requirements

Must-Have:

- Bachelor's or Master's degree in Computer Science, Applied Mathematics, Electrical Engineering, or a related field.
- Strong expertise in **Python** and core scientific libraries (NumPy, SciPy, Pandas, scikit-learn).
- Experience converting MATLAB (or other similar) models and statistical routines into Python.



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- Solid foundation in **signal processing, numerical algorithms, and data analysis.**
- Experience developing and deploying production-grade analytical software.
- Familiarity with Git and modern development practices.
- Excellent communication skills and **flexibility to work across time zones**, with consistent overlap with teams in **Australia and Canada.**

Nice-to-Have:

- Experience with MATLAB toolboxes (Signal Processing, Statistics, System Identification).
- Familiarity with SPS or similar statistical analysis tools.
- Exposure to Docker, CI/CD, and cloud platforms (AWS, GCP, Azure).
- Experience in ML model performance tuning, validation, and lifecycle management.

What We Offer

- **Remote-first** role with flexible working hours that support **collaboration across Australia and Canada.**
- Work on real-world, impactful problems with a mission-driven and interdisciplinary team.
- Competitive salary and benefits.
- Opportunities to grow in applied AI, engineering, and data science leadership.

Interested candidates to send their CVs at hassan@deepseedtech.com



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