ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE

POSITION	:	Project Technical Specialist I (AI Engineer)
SALARY GRADE	:	SG 16
NO. OF POSITIONS AVAILABLE	:	3
LOCATION	:	Computer Software Division
JOB QUALIFICATION	:	• Master's Degree or PhD is not required but is an advantage • Knowledge and experience in government processes such as procurement, etc. • Proficiency in writing reports, articles, etc. • Excellent communication and coordination skills • Wide knowledge in the field of electronics and ICT
Education	:	Bachelor's/College Degree in Engineering, Computer Science, Statistics, IT, Physics, Applied Mathematics or any related course
Experience	:	At least one (1) year relevant experience in building AI models
Training	:	At least four (4) hours relevant training
Eligibility	:	None Required
Other Requirements	:	• Skilled in programming/scripting using Python programming language • Skilled in data exploration, analysis, and visualization using Python libraries such as Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, and other related software libraries • Skilled in data storage and retrieval using RDBMS such as PostgreSQL • Knowledgeable in various data formats such as CSV, JSON, and other scientific data formats relating to geospatial datasets • Skilled in data cleaning and data preparation methods • Knowledgeable in different machine learning techniques (classification, clustering, regression, neural networks, etc.), their advantages and disadvantages, and their implementation in Python libraries such as Scikit-learn, Tensorflow, and Keras • Knowledgeable in deep learning techniques and algorithms for computer vision problems. Experience in applications of deep learning to geospatial and remotely sensed data is a big plus. • Must have technical leadership experience • Has good communication skills • Must be able to work well with a team, adaptable to circumstances, fast learner, and self-motivated • Can work with minimal supervision • Must be willing to work in Quezon City

RESPONSIBILITIES:

Under general supervision and direction, HE/SHE shall perform the following:

• Design and develop neural network architectures and program deep learning algorithms tailored to PROPEL objectives.

• Develop AI models from datasets including but not limited to geospatial and remote sensed data.

• Report to the technical leads of the project.

• Coordinate with stakeholders and cross-functional teams (e.g., data engineering and software engineering) for efficient data processing, model deployment, performance monitoring, and visualization.

• Collaborate with program team members to identify gaps and structure problems as well as to propose solutions and strategies to business challenges.

• Coordinate with the data engineering and software engineering teams to ensure efficient data processing, AI model development, deployment, performance monitoring, and visualization

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- Identify, implement, and evaluate existing processes and software frameworks monitoring and analyzing model performance through time.
- Prepare and deliver informative talks and training sessions on developed processes and tools for AI model development and monitoring.
- Write technical documentation about scientific findings during the course of the project implementation.
- Report to work on time.

APPLICATION:

Interested applicants should submit a **letter of intent** addressed to **Ms. JOANNA G. SYJUCO**, Computer Software Division's Division Chief. Applicants must submit their letter at elmer@asti.dost.gov.ph cc: vanesa@asti.dost.gov.ph, alexandra.solidum@asti.dost.gov.ph, and **careers@asti.dost.gov.ph** along with the following:

1. Application Form: https://forms.office.com/r/CAhCKVBVCw
2. Updated Personal Data Sheet;
3. Updated Curriculum Vitae;
4. Diploma and TOR;
5. Certificate/s of employment; and
6. Training certificate/s.

APPLICATION DEADLINE: 23 May 2025

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