



**PUBLICATION OF VACANT POSITION (Project Staff)**

<b>POSITION</b>	:	Project Technical Specialist I (AI Engineer)
<b>SALARY GRADE</b>	:	SG 16
<b>NO. OF POSITIONS AVAILABLE</b>	:	3
<b>LOCATION</b>	:	Computer Software Division
<b>JOB QUALIFICATION</b>	:	<ul style="list-style-type: none"><li>• Master's Degree or PhD is not required but is an advantage</li><li>• Knowledge and experience in government processes such as procurement, etc.</li><li>• Proficiency in writing reports, articles, etc.</li><li>• Excellent communication and coordination skills</li><li>• Wide knowledge in the field of electronics and ICT</li></ul>
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	:	<ul style="list-style-type: none"><li>• Skilled in programming/scripting using Python programming language</li><li>• Skilled in data exploration, analysis, and visualization using Python libraries such as Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, and other related software libraries</li><li>• Skilled in data storage and retrieval using RDBMS such as PostgreSQL</li><li>• Knowledgeable in various data formats such as CSV, JSON, and other scientific data formats relating to geospatial datasets</li><li>• Skilled in data cleaning and data preparation methods</li><li>• 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</li><li>• 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.</li><li>• Must have technical leadership experience</li><li>• Has good communication skills</li><li>• Must be able to work well with a team, adaptable to circumstances, fast learner, and self-motivated</li><li>• Can work with minimal supervision</li><li>• Must be willing to work in Quezon City</li></ul>

**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.

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- 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.
- 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](mailto:elmer@asti.dost.gov.ph) cc: [vanesa@asti.dost.gov.ph](mailto:vanesa@asti.dost.gov.ph), [alexandra.solidum@asti.dost.gov.ph](mailto:alexandra.solidum@asti.dost.gov.ph), and [hr@asti.dost.gov.ph](mailto:hr@asti.dost.gov.ph) along with the following:

1. Updated Personal Data Sheet;
2. Updated Curriculum Vitae;
3. Diploma and TOR; and
4. Training certificate/s (if applicable).

**APPLICATION DEADLINE:** 4 April 2025

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