Republic of the Philippines
Department of Science and Technology
ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE
PUBLICATION OF VACANT POSITION

POSITION	:	Project Technical Specialist III (Junior AI Engineer)
SALARY GRADE	:	SG 18
NO. OF POSITIONS AVAILABLE	:	1
LOCATION	:	Computer Software Division
JOB QUALIFICATION	:	N/A
Education	:	Bachelor's degree or higher in Computer Science, Artificial Intelligence, Data Science, Software Engineering, or a related field, with experience in AI model development and deployment.
Experience	:	2 years of relevant experience in AI model development, deep learning, or data science. Exposure to machine learning projects, academic research, or AI-based applications is a plus.
Training	:	8 hours of relevant training in AI/ML frameworks, deep learning, data engineering, or cloud AI services.
Eligibility	:	None required

Other Requirements

- AI & Machine Learning Expertise:
  - Familiarity with machine learning and deep learning frameworks such as TensorFlow, PyTorch, Scikit-Learn, or JAX.
  - Strong programming skills in Python and experience in implementing ML/DL models.
  - Understanding of data preprocessing techniques, feature engineering, and model evaluation.
  - Experience working with structured and unstructured data, including image, text, and tabular data.
- Software Development & AI Engineering Skills:
  - Basic understanding of software engineering principles, including version control (Git) and API integration.
  - Familiarity with cloud AI platforms (Google Vertex AI, AWS SageMaker, Azure AI) is a plus.
  - Experience in using databases (SQL, NoSQL) and working with large-scale datasets.
  - Exposure to containerization (Docker, Kubernetes) and MLOps is an advantage.
- Problem-Solving & Analytical Skills:
  - Ability to debug, troubleshoot, and optimize AI models and workflows.
  - Knowledge of AI model interpretability, bias mitigation, and responsible AI practices.
- Soft Skills & Collaboration:
  - Willingness to learn and adapt to a fast-paced AI R&D environment.
  - Strong communication skills, with the ability to explain AI concepts to technical and non-technical audiences.
  - Ability to work collaboratively with data scientists, software engineers, and AI researchers.

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

- AI Model Development & Implementation:
  - Assist in the development and implementation of machine learning and deep learning models.
  - Support the training, tuning, and evaluation of AI models for various applications.
  - Experiment with different architectures, feature sets, and optimization techniques.
- Data Preprocessing & Engineering:
  - Assist in data collection, cleaning, and preprocessing for AI models.

ASTI, U.P. Technology Park Complex, C.P. Garcia Ave., Diliman, Quezon City, Philippines 1101
• Website: www.asti.dost.gov.ph • Email: info@asti.dost.gov.ph • Tel. Nos.: +632 927-3502, +632 426-9759, +632 426-9760
• Fax No.: +632 925-8598

Page 1 of 2

- ◦ Implement feature extraction and augmentation techniques to improve model performance.
- AI Model Deployment & Integration:
  - ◦ Work with AI engineers to deploy trained models into production systems.
  - ◦ Help develop APIs and web-based interfaces for AI model interaction.
  - ◦ Ensure model scalability, efficiency, and integration with existing infrastructure.
- AI Research & Experimentation:
  - ◦ Stay updated with state-of-the-art AI techniques and research trends.
  - ◦ Experiment with new AI models and evaluate their feasibility for project requirements.
- Collaboration & Documentation:
  - ◦ Document AI model architectures, training procedures, and performance metrics.
  - ◦ Participate in team meetings and contribute to problem-solving discussions.
- Other Tasks as Assigned:
  - ◦ Support AI development activities in DOST-NAIRA's research projects.
  - ◦ Participate in training programs, workshops, and AI conferences to enhance skills.

APPLICATION:

Interested candidates are required to submit a detailed CV, a cover letter expressing interest and fit for the role, and copies of relevant publications or research papers. Applications should be directed to the **elmer@asti.dost.gov.ph** by **30 April 2025** along with the following:

1. Updated Personal Data Sheet;
2. Updated Curriculum Vitae;
3. Diploma and TOR;
4. Certificate/s of employment; and
5. Training certificate/s.

APPLICATION DEADLINE: 30 April 2025
----------*****Nothing Follows*****----------