



**ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE**  
**PUBLICATION OF VACANT POSITION**



<b>POSITION</b>	:	Project Technical Specialist V (2 NLP Engineers)
<b>SALARY GRADE</b>	:	SG 20
<b>NO. OF POSITIONS AVAILABLE</b>	:	2
<b>LOCATION</b>	:	Computer Software Division
<b>JOB QUALIFICATION</b>	:	N/A
Education	:	Bachelor's degree or higher in Computer Science, Artificial Intelligence, Computational Linguistics, Data Science, or a related field, with expertise in Natural Language Processing (NLP) and Large Language Models (LLMs).
Experience	:	3 years of relevant experience in NLP model development, language modeling, or AI-driven text analytics. Experience in fine-tuning LLMs (e.g., GPT, BERT, LLaMA) and integrating NLP applications.
Training	:	16 hours of relevant training in transformer architectures, text embeddings, or NLP deployment.
Eligibility	:	None required
Other Requirements	:	<ul style="list-style-type: none"><li>• Proficient in Python and familiar with AI frameworks such as TensorFlow or PyTorch. Experience with data visualization tools and statistical software is highly regarded</li><li>• Demonstrated experience in applying machine learning techniques to large datasets, preferably in the context of atmospheric or environmental science</li><li>• Proven track record of research in relevant fields and experience in writing for peer-reviewed journals</li><li>• Excellent written and verbal communication skills, capable of presenting complex concepts to diverse audiences</li><li>• Must have strong analytical and problem-solving skills with the ability to apply theoretical knowledge practically in solving complex problems</li><li>• Must be capable of clearly articulating complex concepts and results to both technical and non-technical audiences</li><li>• Ability to work effectively in interdisciplinary teams, displaying strong collaboration and interpersonal skills.</li><li>• Must be a team player, communicator, adaptable and self-motivated</li><li>• Self-motivated and willing to learn.</li><li>• Can work with minimal supervision</li><li>• Hardworking and has a time management skill</li><li>• Must be agreeable to following office rules and guidelines</li><li>• Applicants must be willing to work in Quezon City</li><li>• Candidates should be prepared to work in variable conditions and commit to project timelines and objectives</li></ul>

**RESPONSIBILITIES:**

Under the supervision of the Project Leader, HE/SHE shall perform the following:

- Develop NLP-based AI models for text classification, named entity recognition (NER), text-to-speech (TTS), and conversational AI;
- Fine-tune LLMs and RAG (Retrieval-Augmented Generation) systems for domain-specific applications.
- Work with vector databases (FAISS, Pinecone) and tokenization techniques;
- Ensure NLP models comply with ethical AI standards and bias mitigation techniques;
- Optimize model performance and integrate NLP components into production systems;

- Assist the project management team in the coordination and communication with the team, funding agency, and the project stakeholders;
- Work closely with the project leader and the project manager regarding the plans, requirements, concerns, problems, and other matters
- Participate in events and other activities (e.g., exhibits, meetings, workshops/trainings) necessary in the implementation of the project;
- Carry out other tasks as may be required by the project;
- Report to work on time.

#### **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**

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