MINH N. TA

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OBJECTIVE

NLP and GenAI researcher with experience in large language models, agentic systems, and enterprise-scale AI deployment, seeking research or applied AI roles to build responsible, high-impact intelligent systems.

EDUCATION

Doctor of Philosophy in Natural Language Processing   2025 – 2029
Mohamed bin Zayed University of Artificial Intelligence (MBZUAI)
Supervisor: Prof. Preslav Nakov

Bachelor of Data Science, Specialized in Artificial Intelligence   2021 – 2025
Hanoi University of Science and Technology
Grade: Excellent; President's List

SKILLS

Technical Skills	Statistics, Machine Learning, Deep Learning, Natural Language Processing, Large Language Models, Big Data Architecture, Data Engineering, Data Analytics
Tech Stack	Python, Java, Scala, SQL, Hadoop, Spark, Kubernetes, PyTorch, TensorFlow, LangChain
Soft Skills	Leadership, Logical Thinking, Critical Thinking, Teamwork, Problem Solving
Languages	Vietnamese (Native), English (Fluent)

EXPERIENCE

Doctoral Researcher, Natural Language Processing   Aug 2025 – Present
Mohamed bin Zayed University of Artificial Intelligence (MBZUAI)   *Abu Dhabi, UAE*

- Mainly focus on data-driven uncertainty quantification, hallucination detection for agentic systems, and LLM-generated content detection.
- Current projects: Fine-grained LLM-generated content detection; LLM self-clarification.

Researcher   Feb 2022 – Present
BKAI International Research Center, Foundation Models Lab   *Hanoi, Vietnam*

- Apply state-of-the-art large language models to Vietnamese NLP tasks under the supervision of Dr. Sang Viet Dinh.
- Develop and evaluate LLM-based methods for low-resource language settings.

Visiting Research Student   May 2024 – Jul 2025
Mohamed bin Zayed University of Artificial Intelligence (MBZUAI)   *Abu Dhabi, UAE*

- Conducted research on fine-grained AI-generated text detection.
- Collaborated on projects that resulted in publications at top-tier NLP venues.

AI Team Leader   Nov 2024 – Mar 2025
KHantix JSC   *Vietnam*

- Led a team of four engineers to develop two agentic AI systems from early-stage design to deployment.
- Successfully transferred production-ready AI systems to enterprise customers.

Data & AI Engineer   Apr 2023 – Mar 2025
Viettel Group Headquarters   *Hanoi, Vietnam*

- Selected for Viettel Digital Talent Program with a 10% acceptance rate.
- Built new components for data science and lakehouse platforms used at enterprise scale.
- Developed AI services integrated into large-scale big data products.

SELECTED PUBLICATIONS

FAID: Fine-grained AI-generated Text Detection using Multi-task Auxiliary and Multi-level Contrastive Learning.
Minh N. Ta, et al.
EACL '2026: Main Conference. First author.

LLM-DetectAIve: A Tool for Fine-Grained Machine-Generated Text Detection.
Minh N. Ta, et al.
EMNLP '2024: System Demonstration. Co-first author.

PROJECTS

Fine-grained AI-generated Text Detection May 2025 – Nov. 2025

- Developed a system to distinguish human-written, machine-generated, and human-LLM collaborative text.
- Implemented a multi-task auxiliary and multi-level contrastive learning framework for robust detection.
- Built a robust, lightweight detector that can automatically evaluate the input text.
- Constructed a large dataset with 83k examples towards academic integrity with research papers and theses in both Vietnamese and English.

Data Analytics Chatbot Assistant Jan. 2024 – Mar. 2025

- Led a four-member team to architect and deliver an LLM-powered chatbot agent tightly integrated with an executive analytics dashboard.
- Automated retrieval, aggregation, and analysis of data from a data warehouse to produce actionable business insights with external knowledge reasoning.
- Successfully deployed and transferred the production-ready system to a Vietnam bank to support data-driven decision-making.

Automated HRM Chatbot Agent Dec. 2024 – Jan. 2025

- Led a three-member team to design and implement an automated chatbot agent for end-to-end Human Resource Management workflows.
- Enabled users to complete HR processes through natural language messages by inferring intents, generating actions, and submitting requests directly to the HRM system.
- Built on Microsoft Power Platform and successfully deployed internally, then commercialized to a company of approximately 100 employees, significantly improving process efficiency and user experience.

Sensitive Data Detection for Viettel Lakehouse Platform Dec. 2024 – Mar. 2025

- Led the design and implementation of a sensitive data detection system compliant with Decree No. 13/2023/ND-CP on personal data protection.
- Developed a legally grounded simulated dataset to support robust training and evaluation.
- Built both pattern-based and passkey-retrieval models to accurately detect small entities in long-context data.
- Deployed the production-ready system on Kubernetes and integrated it into a large-scale data lakehouse.
- Delivered the solution in response to a direct order from one of the largest banks in Vietnam, a key customer of the VLP platform.

Integrated LLM Coding Partner for Data Lakehouse Apr. 2024 – Nov. 2024

- Designed and implemented an LLM-powered assistant to support data lakehouse documentation understanding and interactive querying.
- Trained transformer-based models to generate SQL, Python, and Scala code for data processing.
- Applied QLoRA and Retrieval-Augmented Generation techniques to improve accuracy and efficiency.
- Developed and deployed IDE extensions for Visual Studio Code and JetBrains environments.
- Production-tested and deployed across Viettel's enterprise ecosystem.

HONORS AND AWARDS

President's List of 2025 Graduates	2025
Excellence in Academic Performance Scholarship	2025
Certificates of Recognition for Excellent Academic Performance, University President	2022 – 2025
Outstanding Young Citizens of the Capital City (1 of 91 citizens)	2024
Provincial-level Award for Student with Five Good Merits (Top 0.1% of students in Hanoi)	2024
Best Presentation Award, MBZUAI UGRIP Program	2024
Gold Prize, HUST-SoICT Creative Idea Challenge	2024
Certificate of Merit for Outstanding Contributions to Students' Activities, Hanoi Youth Union	2024
Certificates of Recognition for Outstanding Teaching Assistant Performance	2023 – 2024
Certificate of Recognition as an Excellence Mentor, Google Digital Talent Development Program	2023
Champion, Data Science Talent Competition	2022
Silver Prize, HUST-SoICT Creative Idea Challenge	2022

EXTRA-CURRICULAR ACTIVITIES

- **Deputy Secretary**, Ho Chi Minh Youth Union, School of ICT, HUST   Jun. 2024 – Jul. 2025
  Served on the Executive Committee as the only student representative, organizing academic workshops, competitions, and conferences to promote student engagement in learning and scientific research.

- **President and Leader**, Google Developer Group on Campus (GDG-HUST)   Aug. 2022 – Aug. 2024
  Led an official university club, organizing large-scale workshops and competitions that engaged over 3,000 students and collaborating with more than 10 companies; recognized as one of the most outstanding GDGs in Southeast Asia.

REFERENCES

Prof. Preslav Nakov
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