Jared Yap

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H. No XXXX

Republic of the Philippines

Congress of the Philippines

Metro Manila

XXXXX Congress

XX Regular Session

Begun and held in Metro Manila, on **DAY**, the **XX** day of **MONTH**, **YEAR**.

[REPUBLIC ACT No. XXXXX]

AN ACT PROMOTING ETHICAL PRINCIPLES IN DATA AND MACHINE LEARNING

Be it enacted by the Senate and House of Representatives of the Philippines in Congress assembled:

SECTION 1. Title: This Act shall be known as the "Philippine Data and Machine Learning Ethics Act."

SECTION 2. Declaration of Policy: It is the policy of the State to:

* Foster the responsible development and application of data and machine learning technologies.

* Protect individuals from harmful and discriminatory practices arising from data and machine learning.

* Promote fairness, transparency, and accountability in data and machine learning systems.

* Encourage and support public participation in shaping the ethical landscape of data and machine learning.

* Position the Philippines as a leader in ethical data and machine learning practices.

SECTION 3. Definitions: For the purposes of this Act, the following definitions shall apply:

* Data: Any form of information collected, stored, or processed about individuals, groups, or organizations.

* Machine Learning: A field of computer science concerned with algorithms that learn and improve from data without being explicitly programmed.

* Algorithm: A set of instructions used to solve a problem or perform a task.

* Bias: A prejudice or preference that influences the outcome of a decision or calculation.

* Transparency: The ability to understand how data and machine learning systems work and make decisions.

* Accountability: The responsibility to take ownership of the consequences of decisions made by data and machine learning systems.

SECTION 4. Guiding Principles: Data and machine learning systems shall be developed and applied in accordance with the following ethical principles:

1. Fairness: Algorithms and data sets shall be free from bias and discrimination based on protected characteristics, such as race, ethnicity, gender, religion, age, disability, or socioeconomic status.

2. Transparency: Stakeholders have the right to know how data and machine learning systems are used, how decisions are made, and the potential impact of such systems.

3. Accountability: Developers, providers, and users of data and machine learning systems are responsible for the consequences of their decisions and shall be held accountable for any harm caused by their systems.

4. Data Privacy and Security: Personal data must be collected, stored, and used in accordance with existing data privacy and security laws.

5. Human Oversight: Humans shall maintain ultimate control over data and machine learning systems, ensuring that such systems are used for the benefit of society.

6. Social Impact Assessment: Developers and users of data and machine learning systems should conduct rigorous assessments of the potential social and economic impact of their systems, identifying and mitigating potential risks.

SECTION 5. Data Ethics Commission: A Data Ethics Commission shall be established within the Department of Science and Technology. The Commission shall have the following responsibilities:

* Develop and implement ethical guidelines for the development and application of data and machine learning technologies.

* Promote awareness and understanding of ethical principles in data and machine learning.

* Review and approve guidelines and best practices submitted by industry and stakeholder groups.

* Investigate and address complaints related to breaches of ethical principles in data and machine learning.

* Collaborate with international organizations on data and machine learning ethics.

SECTION 6. Industry Guidelines and Best Practices: Industry and stakeholder groups are encouraged to develop and implement ethical guidelines and best practices for

their specific sectors. These guidelines and best practices shall be submitted to the Commission for review and approval.

SECTION 7. Education and Training: The government shall develop and implement programs to educate and train data scientists, developers, and policymakers on ethical principles in data and machine learning.

SECTION 8. Public Participation: The Commission shall establish mechanisms for public participation in the development and implementation of data and machine learning policies and regulations.

SECTION 9. Enforcement Mechanisms: The Commission, in coordination with relevant government agencies, shall have the authority to investigate and enforce the provisions of this Act. This may include conducting audits, issuing fines, and imposing other penalties for non-compliance.

SECTION 10. Judicial Review: Decisions of the Commission may be appealed to the Court of Appeals.

SECTION 11. Separability: If any provision of this Act is declared unconstitutional, the remaining provisions shall remain in full force and effect.

SECTION 12. Repealing Clause: All laws, orders, rules, and regulations inconsistent with this Act are hereby repealed or modified accordingly.

SECTION 14. Effectivity: This Act shall take effect fifteen (15) days after publication in the Official Gazette or two (2) newspapers of general circulation.

Approved,

JUAN DELA CRUZ

President of the Senate

JUAN DELA CRUZ

Speaker of the House

of Representatives

This Act, which originated in the House of Representatives, was passed by the House of Representatives and the Senate of the Philippines on **Month XX**, **20XX**.

JUAN DELA CRUZ

Secretary of the Senate

JUAN DELA CRUZ

Secretary General

House of Representatives

Approved: **MONTH XX 20XX**

JUAN DELA CRUZ

President of the Philippines

REPUBLIC OF THE PHILIPPINES
(BAR CODE)

Office of the President
MALACAÑANG RECORDS OFFICE

ATTY. JUAN DELA CRUZ
ACTING DIRECTOR X

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