Grading:

Project

1) **Technical Implementation (25%):**
   - *Code correctness & functionality* (15%): code runs as intended, producing reliable results.
   - *Quality of AI model integration* (5%): AI techniques are appropriately chosen and applied.
2) **Data handling (5%):** Efficient preprocessing, storage, and pipeline management.
3) **Architectural Design & Documentation (35%)**
   - *System architecture clarity* (15%): well structured, modular, scalable, and maintainable architecture.
   - *Architecture decision records* (ADRs) (10%): clear documentation of major choices, including trade-offs and sustainability considerations.
   - *UML diagrams* (10%): correct and readable class and sequence diagrams covering main use cases.
4) **Sustainability & Deployment (25%)**
   - *Deployment strategy* (10%): justification of cloud choices (e.g., serverless vs. containers, region, autoscaling) with sustainability focus.
   - *Carbon footprint assessment* (10%): usage of tools (e.g., CodeCarbon, Cloud Carbon Footprint) to measure and report code execution impact.
   - *Sustainability trade-offs* (5%): explicit discussion of efficiency, carbon footprint, and cost.
5) **Operations, Observability & CI/CD (15%)**
   - *CI/CD pipeline* (5%): automated testing, deployment, and reproducibility of experiments.
   - *Monitoring & observability* (10%): logging, metrics, and dashboards for system health and AI performance.

Presentation

1) Clarity of written report (25%): well-structured, precise, and professional documentation.
2) Oral/visual presentation (25%): clear explanation of architecture, sustainability metrics, and results.
3) Mastering the topic and readiness to answer questions (50%)