Requirements Document

AI Model Fairness Testing

Environment

The project was developed on:

- OS: macOS (Apple Silicon)

- Python Version: 3.9.21

Core Dependencies

The following Python libraries are required to run the project:

- **pandas** – version `2.2.3`

- **numpy** – version `1.26.4`

- **tensorflow** – version `2.16.2`

- **keras** – version `3.8.0`

- **scikit-learn** – version `1.6.1`

- **matplotlib** – version `3.9.4` (optional)
  For generating plots and graphs used in report.

- **scipy** – version `1.13.1` (optional)
  For running the statistical tests.