

# AI Usage Card for Bachelor Thesis



PROJECT DETAILS	PROJECT NAME Bachelor Thesis	DOMAIN University Project	KEY APPLICATION Software Development
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MODEL(S)	MODEL NAME(S) ChatGPT Github Copilot Gemini	VERSION(S) o3, 4.5, 4o latest 2.5 pro	
IDEATION	GENERATING IDEAS, OUTLINES, AND WORKFLOWS	IMPROVING EXISTING IDEAS	FINDING GAPS OR COMPARE ASPECTS OF IDEAS ChatGPT
LITERATURE REVIEW	FINDING LITERATURE ChatGPT Gemini	FINDING EXAMPLES FROM KNOWN LITERATURE OR ADDING LITERATURE FOR EXISTING STATEMENTS ChatGPT Gemini	COMPARING LITERATURE ChatGPT Gemini
METHODOLOGY	PROPOSING NEW SOLUTIONS TO PROBLEMS	FINDING ITERATIVE OPTIMIZATIONS	COMPARING RELATED SOLUTIONS
EXPERIMENTS	DESIGNING NEW EXPERIMENTS	EDITING EXISTING EXPERIMENTS	FINDING, COMPARING, AND AGGREGATING RESULTS
WRITING	GENERATING NEW TEXT BASED ON INSTRUCTIONS	ASSISTING IN IMPROVING OWN CONTENT OR PARAPHRASING RELATED WORK ChatGPT Github Copilot Gemini	PUTTING OTHER WORKS IN PERSPECTIVE Gemini
PRESENTATION	GENERATING NEW ARTIFACTS	IMPROVING THE AESTHETICS OF ARTIFACTS ChatGPT Github Copilot	FINDING RELATIONS BETWEEN OWN OR RELATED ARTIFACTS
CODING	GENERATING NEW CODE BASED ON DESCRIPTIONS OR EXISTING CODE	REFACTORING AND OPTIMIZING EXISTING CODE ChatGPT Github Copilot Gemini	COMPARING ASPECTS OF EXISTING CODE ChatGPT Github Copilot Gemini
DATA	SUGGESTING NEW SOURCES FOR DATA COLLECTION	CLEANING, NORMALIZING, OR STANDARDIZING DATA	FINDING RELATIONS BETWEEN DATA AND COLLECTION METHODS
ETHICS	WHY DID WE USE AI FOR THIS PROJECT? Consistency Efficiency / Speed	WHAT STEPS ARE WE TAKING TO MITIGATE ERRORS OF AI? All outputs were manually reviewed and verified.	WHAT STEPS ARE WE TAKING TO MINIMIZE THE CHANCE OF HARM OR INAPPROPRIATE USE OF AI? AI was used solely for enhancement, not for generating original content.

THE CORRESPONDING AUTHORS VERIFY AND AGREE WITH THE MODIFICATIONS OR GENERATIONS OF THEIR USED AI-GENERATED CONTENT