



**I. IDENTIFICATION DATA**

<b>Thesis title:</b>	Multitask Learning for NLP Classifiers
<b>Author's name:</b>	Danil Semin
<b>Type of thesis :</b>	bachelor
<b>Faculty/Institute:</b>	Faculty of Electrical Engineering (FEE)
<b>Department:</b>	Department of Cybernetics
<b>Thesis reviewer:</b>	Pavel Kordík
<b>Reviewer's department:</b>	KAM FIT CVUT

**II. EVALUATION OF INDIVIDUAL CRITERIA**

<b>Assignment</b>	<b>challenging</b>
<i>How demanding was the assigned project?</i>	
Finetuning LLMs from different vendors is not an easy task even when DGX a100 is available.	

<b>Fulfilment of assignment</b>	<b>fulfilled</b>
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The thesis cover all aspects of the assignment.	

<b>Methodology</b>	<b>outstanding</b>
<i>Comment on the correctness of the approach and/or the solution methods.</i>	
The evaluation of methods was done properly, it is well documented and experiments are reproducible thanks all details given in the thesis.	

<b>Technical level</b>	<b>A - excellent.</b>
<i>Is the thesis technically sound? How well did the student employ expertise in the field of his/her field of study? Does the student explain clearly what he/she has done?</i>	
The motivation of the thesis is clear, moreover student shows the passion for the are of multi task learning of LLMs	

<b>Formal and language level, scope of thesis</b>	<b>A - excellent.</b>
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
The level of English is good, thesis is easy to read and follow.	

<b>Selection of sources, citation correctness</b>	<b>A - excellent.</b>
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
This very actual topic and good SOTA overview as absolutely critical. I am sure the author did great job in compiling all recent "tricks" how to finetune LLMs with constrained resources.	

<b>Additional commentary and evaluation (optional)</b>
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*Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.*

I like the thesis, it has even some publication potential. Moreover all materials are available online and well structured.

### **III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE**

*Summarize your opinion on the thesis and explain your final grading. Pose questions that should be answered during the presentation and defense of the student's work.*

The grade that I award for the thesis is A - excellent.

Date: **16.6.2023**

Signature:

Elektronicky podepsán:

Ing. Pavel Kordík, Ph.D.

Datum: 16.06.2023

