

## I. IDENTIFICATION DATA

<b>Thesis name:</b>	Integration of Search Functionality into Large Language Models
<b>Author's name:</b>	Varvara Shorina
<b>Type of thesis :</b>	bachelor
<b>Faculty/Institute:</b>	Faculty of Electrical Engineering (FEE)
<b>Department:</b>	Department of Computer Science
<b>Thesis reviewer:</b>	Ing. Jindřich Prokop
<b>Reviewer's department:</b>	Department of Computer Science

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>challenging</b>
<i>Evaluation of thesis difficulty of assignment.</i>	
The thesis assignment is slightly above average in difficulty, primarily due to the sheer volume of work involved. While the overall trajectory of tasks is well-defined and each individual step is straightforward, the cumulative effort required to complete all sections makes the project more demanding than typical assignments.	
<b>Satisfaction of assignment</b>	<b>fulfilled with minor objections</b>
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
All objectives were met with the exception of testing with adictology domain in mind. Overall, the specific challenges following from the domain were not considered as much as they could have been.	
<b>Method of conception</b>	<b>correct</b>
<i>Assess that student has chosen correct approach or solution methods.</i>	
The chosen approach and solutions were effective, utilizing industry-standard tools that were inherently reliable and suitable for the task. While the selections made sense and worked well in practice, they were not explicitly reasoned or thoroughly justified. Nonetheless, this approach contributed to the project's smooth execution.	
<b>Technical level</b>	<b>B - very good.</b>
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
The thesis demonstrates a moderate level of specialty, particularly in the practical aspects of app development, where significant knowledge was gained through hands-on experience. Building an app that interacts with APIs, functions from a user-centric perspective, and meets prescribed criteria offered substantial learning opportunities. However, the treatment of LLMs and search engines was relatively superficial, relying more on general information rather than deep engagement with expert literature or advanced concepts.	
<b>Formal and language level, scope of thesis</b>	<b>B - very good.</b>
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	

The usage of formal notation in the thesis was appropriate and met the required standards. Despite claimed use of tools like ChatGPT and Grammarly for language checks, minor language issues were still present. While the concise, to-the-point writing style was commendable, certain sections felt more like isolated definitions than a cohesive narrative. Typographically, however, the work was excellent, with a professional and polished layout.

### **Selection of sources, citation correctness**

**A - excellent.**

*Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.*

The selection of sources was relevant and well-suited to the topic, demonstrating an adequate breadth of research. References were cited correctly and in accordance with citation conventions and standards, with all external elements clearly distinguished from the student's own work.

### **Additional commentary and evaluation**

*Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.*

Please insert your commentary (voluntary evaluation).

### **III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION**

*The thesis largely achieved its goals, producing a functional app that was tested, with results guiding further development. However, the main shortcoming was the lack of attention to the addictology domain, which could have been integrated more deeply into the project.*

#### **Questions for Defense:**

*Q1: Did you consider the potential conflict between "internet wisdom" and established expert knowledge in the field?*

*Q2: What approaches could be taken to prevent "internet wisdom" from overshadowing or contradicting recognized psychological or psychiatric practices?*

I evaluate handed thesis with classification grade B - very good.

Date: **Click here and enter the date.**

Signature: