

ABSTRACT

Personalized news aggregator, based on user preferences and interests with contextual search capability, instant communication and activity status monitoring: diploma thesis/ J.C KAMA. – Gomel: [Sukhoi State Technical University of Gomel](#), 2025. – Diploma thesis: 127 pages, 25 figures, 5 tables, 18 sources, 3 appendix.

The object of development is an Personalized news aggregator.

The purpose of this work is to develop an web system that operates who give the user several information about programing and languages, and a transfer. The first stage is study existing news aggregation platforms (e.g., Google News, Flipboard) and their algorithms for personalization, research development tools (e.g., NLP libraries, recommendation engines) and APIs (e.g., NewsAPI, OpenAI) needed for contextual search and user preference analysis. Second Stage is design and develop the application, including user profile creation for preference tracking contextual search functionality using NLP and keyword analysis witrecommendation engine to curate news based on interests and behavior.

The student confirms that the thesis has been completed independently, the material provided in the thesis objectively reflects the state of the object being developed, the explanatory note has been checked in the Antiplagiat system (<https://antiplagius.ru/>). The originality of the text is 91%. All theoretical and methodological provisions and concepts borrowed from literary and other sources are accompanied by references to the sources indicated in the "List of references".