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**SUMMARY**

{{SUMMARY}}

**EDUCATION**

[**Eötvös Loránd University**](https://www.elte.hu/en/) Budapest, HU

Bachelor of Science Sep 2022 - July 2025

Major in Computer Science

Cumulative GPA: 4.71/5.0

Relevant Coursework: Introduction to Probability and Statistics; Machine Learning; Algorithms; Business fundamentals

{{EDUCATION}}

**WORK EXPERIENCE**

[**NEERY**](https://places.neery.net/en) Budapest, HU

Web Developer Dec 2023 – March 2024

* Developed and maintained full-stack web applications using **React** for the frontend and **Java (Spring Boot)** for the backend, improving performance and scalability.
* Built **CI/CD pipelines** using **GitLab CI** to deploy **microservices** to **AWS EC2**, reducing deployment time by 70%.
* Led the backend integration of **RESTful APIs** using Spring Boot with **OpenAPI** documentation via **Swagger**.
* Worked in an agile team environment using Jira and GitLab for task tracking and collaboration.

{{WORK\_EXPERIENCE}}

**PROJECTS**

**Sentiment Analysis Dashboard** Jan 2025 - April 2025

* Developed a real-time analytics dashboard using FastAPI and Hugging Face Transformers; deployed using Docker on AWS. Visualized data with Chart.js. Integrated Redis as a caching layer (proof of concept). Added Prometheus for basic performance metrics
* Fine-tuned transformer-based **NLP models** (BERT, RoBERTa, DistilBERT, and **DeBERTa**) on YouTube comment data for public sentiment classification; achieved an **F1 score** of **83.7** on the validation set.
* Integrated model inference into a FastAPI backend and visualized sentiment trends via Chart.js and custom dashboards.
* Explored prompt-based text summarization and laid groundwork for **RAG**-style retrieval using FAISS (prototype stage).

**Safari Game project** Feb 2025

* Developed and tested a safari simulation game using **Python**: **Pygame** and **Pytest** in a team of 4 members.
* Collaborated using **GitLab** for version control and task coordination.

**Scalable Data Systems**

* Designed and deployed a real-time sentiment analysis system using FastAPI, Docker, and AWS, capable of handling thousands of requests with NLP model inference and trend visualization.
* Optimized backend logic for scalable microservice performance using asynchronous Python and REST principles.
* Currently exploring batch/stream processing with Kafka and distributed task queues (Celery, RabbitMQ) for personal projects.

**{{PROJECTS}}**

**SKILLS**

**{{SKILLS}}**

**Courses And Trainings**

[The Web Developer Bootcamp (Udemy)](https://www.udemy.com/certificate/UC-729ed272-dc3c-4740-9a15-eba75068ff7a/)

[Python for Data Science AI & Development (IBM Coursera)](https://www.coursera.org/account/accomplishments/verify/DMRDKZQR8AZU)

[Supervised Machine Learning (Coursera](https://www.coursera.org/account/accomplishments/verify/5P9X8VUQ3ZP9))

[Algorithmic Toolbox](https://coursera.org/verify/XEYFV3KC742X) (Coursera)

{{ADDITIONAL}}

**ACTIVITIES**

**Erasmus+ Youth Exchange: Never Give Up** Lodz, PL

Youth Worker

{{ACTIVITIES}} April 2023