

# Katarina Dimić

✉ dimicc.k@gmail.com ☎ 0644287443 📍 Belgrade, Serbia 🌐 LinkedIn

## EDUCATION

<b>School of Electrical Engineering, University of Belgrade</b> Software Engineering GPA - 9.39/10.00	2022 – Present Belgrade, Serbia
---	------------------------------------




## PROFESSIONAL EXPERIENCE

<b>Microsoft</b> Software Engineering Intern <ul style="list-style-type: none"><li>Implemented retrieval algorithms including BM25 and vector search</li><li>Utilized Apache Spark for large-scale data processing</li><li>Evaluation and fine-tuning embedding models</li><li>PySpark, Scala, SparkNLP, SparkML, MLFlow</li></ul>	03/2025 – 07/2025 Belgrade, Serbia
---	---------------------------------------

## OTHER EXPERIENCES

<b>Undergraduate Teaching Assistant</b> School of Electrical Engineering, University of Belgrade Algorithms and Data Structures, Programming, Computer Technologies	10/2024 – Present
<b>Google Developer Student Club</b> <ul style="list-style-type: none"><li>GDSC Flutter School (2023)</li><li>GDSC IT Team Active Member (2024)</li></ul>	09/2023 – 10/2024

## PROJECTS

<b>RAID Implementation</b>  Implemented RAID0, RAID1, RAID01, RAID4, RAID5 structures for xv6 OS	2025
<b>Multithreaded kernel</b>  Developed OS kernel for embedded RISC-V systems. Implemented thread and memory management, synchronization, time-sharing and preemption. C, C++, Assembly	2024
<b>ChatApp</b>  Collaborated on a multi-room chat app with user authentication, implementing real-time communication using WebSockets via Socket.IO. JWT, React, Bootstrap, Firebase phone authentication.	2024

## HACKATHONS

<b>Levi9, 5 days in the cloud</b> Node.js web application development and deployment on AWS EC2, RDS, API Gateway, SNS, Lambda	11/2024
<b>Digihack, Fon Digital &amp; Informatika</b> Contributed to the development of a smart hospital prototype. AI and Digital Twin technologies. Python, Keras, TensorFlow	10/2024
<b>IBM TechXchange Hackathon</b> AI Attorney - Generative AI tool for legal consultations utilizing IBM WatsonX	09/2024

## SKILLS

C/C++, Java, Python, Scala, SQL, Data Structures and Algorithms, OOP, NLP, HTML, CSS,  
Languages – Serbian (Native), English, Italian