

EDUCATION AND QUALIFICATION

<u>MSc in Bioinformatics (Link)</u>	Sep 2022 - Jun 2025
Uppsala Universitet, Uppsala, SE	
BSc in Computer Science and minor in Electrical Engineering	Oct 2018 - Jun 2022
Dual degree diploma:	
• <u>Buckingham University, Buckingham, UK (Link)</u>	
• <u>SSST (Sarajevo School of Science and Technology), Sarajevo, BiH (Link)</u>	

WORK & EXPERIENCE

<u>Working on INPH as a master thesis project (Link)</u>	Sep 2024 - Feb 2025
Akademiska Sjukhuset, Uppsala, SE	
• Analysed and preprocessed clinical data.	
• Utilised machine learning to predict the outcome of the shunt surgery.	
• Used python programming and Scikit learn for prediction and data analysis.	
• Developed a model with an accuracy of 66% and F1 score of 64% with the available data.	
Teaching Assistant Data Mining course	Aug 2023 - Oct 2023
Uppsala University, Uppsala, SE	
• Utilised programs such as Python and rapid miner.	
• Reviewed and corrected lab assignments to aid in learning.	
• Covered topics such as association rules, classification, and clustering.	
• Provided support to students during lab sessions, offering guidance and addressing questions.	
Teaching Assistant Internet of Things course (IOT)	Mar 2023 - Jun 2023
Uppsala University, Uppsala, SE	
• Reviewed and corrected lab assignments to aid in learning.	
• Explored topics such as COAP, network layers, and using virtual machines.	
• Guided students in lab work, providing assistance and answering questions.	
• Conducted examination sessions to evaluate students' comprehension of lab material.	
<u>Organisational & support team member in the IT department (Link 1) (Link 2)</u>	Oct 2021 - Dec 2021
Networks INT d.o.o., Sarajevo, BiH	
• Facilitated general event support and provided technical assistance.	
• Managed event website updates to provide attendees with current information.	
• Assisted the IT department and support team at the Sarajevo Unlimited 2021 event.	
• Edited and published content provided by team leadership for website maintenance.	
Student Assistant Discrete mathematics	Mar 2020 - Jun 2020
SSST (Sarajevo School of Science and Technology), Sarajevo, BiH	
• Instructed students on number theory fundamentals and mathematical reasoning principles.	
• Guided students through complex mathematical proofs and clarified challenging course concepts.	
• Addressed propositional logic, tautologies, and probability theory concepts to undergraduate students.	
• Tutored students in discrete mathematics problem-solving techniques and provided academic support.	

PROJECTS & ACHIEVEMENTS

• <u>Enter club member</u> , as an event organiser.
• <u>Gotland nation member</u> , as a student volunteer for various tasks.
• <u>Start-up "Horalix"</u> , participated in building AI med tech software startup.
• <u>WiDS volunteer</u> , promoting awareness and celebrating women in CS field.
• <u>Winter Academy</u> , as a volunteer for introducing students to the CS Department.
• <u>Software Engineering related Courses</u> , created many different software platforms.
• <u>Genome Analysis</u> , Analysed, and compared genomes from given research in the project.
• <u>Hackathon mentor</u> , guiding students to bring ideas to life and solve city-specific problems.
• Library book translator, converting Arabic book titles to English for the university library database.
• <u>SciLifeLab research</u> , as part of a course where I experienced the work and lab setting in Bioinformatics.
• Swedish language, completed 2 levels of Basic Swedish and currently studying advanced level 1 of 3 in UU.

SELECTED SKILLS

Tools	RapidMiner • UPPMAX • Linux CLI • Git • IntelliJ • Blender
Soft skills	Teamwork • Communication • Mentoring • UI/UX design
Languages	Python • Java • C++ • Swift • MATLAB • React native • R
Specialities	Machine Learning • Software Design • Data Preprocessing

LANGUAGES		INTERESTS & HOBBIES		ADDITIONAL LINKS	
Bosnian	Native	Fitness • weight lifting • karate			https://github.com/mimipalys
Arabic	Native	• swimming • skiing • skating •			
English	Fluent	cooking • baking • gaming			https://muhamedkhatib.se
Swedish	B1				
German	A2	• design layout • technology •			

) <https://muhammedkhatib.se>