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EDUCATION AND QUALIFICATION

- MSc in Bioinformatics (Link)**

Sep 2022 - Jun 2025

Uppsala Universitet, Uppsala, SE
- BSc in Computer Science and minor in Electrical Engineering**

Oct 2018 - Jun 2022

Dual degree diploma:
 - Buckingham University, Buckingham, UK (Link)
 - SSST (Sarajevo School of Science and Technology), Sarajevo, BiH (Link)

WORK & EXPERIENCE

- Working on iNPH as a master thesis project (Link)**

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.
- Organisational & support team member in the IT department (Link 1) (Link 2)**

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

- Enter club member, as an event organiser.
- Gotland nation member, as a student volunteer for various tasks.
- Start-up "Horalix", participated in building AI med tech software startup.
- WiDS volunteer, promoting awareness and celebrating women in CS field.
- Software Engineering related Courses, created many different software platforms.
- Winter Academy, as a volunteer for introducing students to the CS Department.
- Genome Analysis, Analysed, and compared genomes from given research in the project.
- Hackathon mentor, 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.
- SciLifeLab research, 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.netlify.app/ |
| Swedish | B1 | | | |
| German | A2 | • design layout • technology • | | |

| SPRÅK | INTRESSEN OCH HOBBY | YTTERLIGARE LÄNKAR |
|-----------------|-------------------------------|---|
| Bosniska | Träning • styrkelyft • karate | |
| Arabiska | Modersmål | |
| Engelska | simning • skidåkning | |
| Svenska | • skridskoåkning • |  https://github.com/mimipalys |
| Tyska | matlagning • bakning • gaming | |
| | • design och teknik • |  https://muamedkhatib.netlify.app/ |