Muhamed Khatib

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EDUCATION AND QUALIFICATION

MSc in Bioinformatics   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
- SSST (Sarajevo School of Science and Technology), Sarajevo, BiH

WORK & PROJECT EXPERIENCE

Working on iNPH as a master thesis project   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 team member in the IT department and IT support team   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

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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 5 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

Bosnian	Native
Arabic	Native
English	Fluent
Swedish	B1
German	A2

INTERESTS & HOBBIES

Fitness · weight lifting · karate · swimming · skiing skating · cooking · baking · gaming · design layout · technology

ADDITIONAL LINKS

🔗 https://github.com/mimipalys

💼 Available Soon