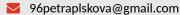
BC. PETRA PLŠKOVÁ

CONTACT



+421 918 206 979

Košice, Slovakia

LANGUAGES

A1 A2 B1 B2 C1 C2 Slovak **English** German

TECHNOLOGIES

Programming languages

R SQL

Python

Libraries for Python keras scikit-learn tensorflow nltk pandas numpy scipy XGBoost matplotlib seaborn gensim cvxopt cvxpy networkx

Sage

Matlab

Operating systems

Windows UNIX

Machine learning

neural networks linear regression logistic regression random forests **SVM Naive Bayes** KNN CNN **LTSM RBF** hypothesis testing random processes statistics **PCA** k-means k-menoids hierarchical clustering **Others**

FLEX. Jupyter notebook MySQL PostgreSQL Anaconda

VOLUNTEERING

2020-2022 Gaudeamus presenting Charles University to prospective students at the higher education exhibition

European Solidarity Corps Finland, project "Embrace the darkness"

₩ 2013 **Corrector of Correspondence** Seminar in Mathematics "Malynár" for primary school pupils

WORK EXPERIENCE

feb 2024 - jun 2024

Východoslovenská distribučná, a.s., Košice

Data Science Intern

Multiclass classification of customer intents using machine learning methods

EDUCATION

2022 - present

Pavol Jozef Šafárik University in Košice, **Faculty of Natural Sciences**

Master's studies in Data Science and Artifical Intelligence graduating in May 2024

2020 - 2021

Charles University in Prague, Faculty of Mathematics and Physics Uncompleted degree

Master's studies in Mathematics of Information Technologies

2016 - 2020

Charles University in Prague, **Faculty of Mathematics and Physics** Bachelor's studies in General **Mathematics** Specialization in Mathematical Structures

2012 - 2016

Gymnázium Poštová 9, Košice, Slovakia

High school

Class with extended teaching of Mathematics

2011 - 2016

The School Blore, Košice, Slovakia

English language school Preparation for the Cambridge exam CAE

aug 2014 - dec 2014 Northwest High School, McDermott, Ohio, USA

Exchange program in the U.S.

ACHIEVEMENTS

2024	1st place in Student Scientific Conference selected by Košice IT Valley
₩ 2024	2nd place in Student Scientific Conference selected by UPJŠ
	international round admission (will be in May 2024)
₩ 2014	7th place in regional round of Mathematics Olympiad cathegory B
₩ 2013	3rd place in regional round of Mathematics Olympiad cathegory C
₩ 2013	5th place in national round of physics competition "náboj"
2013	3rd place in regional round of Physics Olympiad cathegory D
₩ 2012	2nd place in regional round of Mathematics Olympiad cathegory Z9
2011	1st place in regional round of Pytagoriáda P8, national round admission

THESES

₩ 2024 Operational state complexity over unary automata with half of the states final Master thesis

2020 Pemutation group algorithms

Bachelor thesis