

# Stefan Shipinkoski

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## Skills

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- **Python** | **Flask** | **Unit testing** | **Selenium** | **Beautiful Soup** | **MySQL** | **CSS** | **HTML** | **FastAPI** | **Git** | **Docker** | **Azure**
- **ML** | **DL** | **Keras** | **Azure AI** | **Pandas** | **NumPy** | **Matplotlib** |
- **Communication** | **Problem Solving** | **Team Work** | **Creativity** | **Fast Learning** | **High Responsibility**

## Experience

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### ML Engineer

#### Water Quality Classification

09/2023 – Current

- Developing a model that can accurately classify the water quality index into three categories: Low, Medium, and High. To achieve this, using supervised **Machine Learning** techniques: **Decision Tree**, **Support Vector Machine (SVM)**, and **K-Nearest Neighbor (KNN)**.
- The dataset that is used to train the model includes measurements of different chemical elements in water such as: Ammonium, Nitrite, Dissolved Oxygen, Total Nitrogen, Phosphate, Total Phosphorous, and Chlorophyll a. These measurements are used as features to train and test the model. The model is evaluated using various metrics to ensure its accuracy and effectiveness.

### Web Developer

#### [Portfolio Website](#)

10/2022 – 02/2023

- Developed my own personal portfolio website, using the latest technologies of **Python**, **Flask**, **HTML**, **CSS**, and **JavaScript**, where I can showcase my current skills, interests and projects.

### Web Scraping

#### [Hacker News Scraper](#)

11/2022 – 12/2022

- Developed a web scraper to scrape the pages of [Hacker News](#) website for the new posts with a score of 100 or more, and subsequently save them to a .txt file, that include post's hyperlink, title, and total score using **Python** and **Beautiful Soup**.

### Software Developer

#### [Password Checker](#)

11/2022 – 12/2022

- Designed and developed personal password verification tool in **Python**, which utilized the [haveibeenpwned API](#) to determine if any of my passwords had been disclosed online.

### Intern

#### [Aidea Lab](#)

06/2021 - 09/2021

- Working on task for real-life projects and learning the craft of AI from competent people, whose working experience exceeds 10 years in given sphere. It made a great contribution to my self-development.

### Intern

#### [SN Insurance Broker](#)

06/2018 – 09/2018

- Interned in IT department, provided technical support for staff, created and configured WordPress websites and plugins.

## Education

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### Bachelor of Science

[University "St Kliment Ohridski"](#)

Macedonia

09/ 2018 – Current

- Major in Computer Science and Communication Engineering

## CERTIFICATES:

- **AI-900: Microsoft Azure AI Fundamentals** – Microsoft Certified.
- **Python** – Kaggle.
- **Pandas** – Kaggle.
- **Data Visualization** – Kaggle.
- **Intermediate Machine Learning** – Kaggle.
- **Data Visualization** – Kaggle.
- **Intro to Deep Learning** – Kaggle.

**Languages:** Macedonian (native), English (advanced).