

MAHDI SHIRMOHAMMADI

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EDUCATION

Zero To Mastery Academy - Coding School

Computer Science

Online

2020 - Ongoing

British Columbia Institute of Technology

Certificate, Marketing Management

Vancouver, BC

Jun 2018 - July 2020

SKILLS

Programming: Python, JavaScript, HTML, CSS

Frameworks: Pandas, Scikit-learn, Express.js

Databases: PostgreSQL

PROJECTS

Face Recognition App *HTML, CSS, JavaScript, React.js, Node.js, Express.js, PostgreSQL*

A full stack application that uses an API to detect faces in images. It's production ready and hosted on Heroku.

Heart Disease Binary Classification *Python, Scikit-learn*

<https://bit.ly/3GXyFqO>

Used different Machine Learning models such as LogisticRegression, RandomForestClassifier, as well as KNN to perform binary classification on a very unbalanced dataset. Used different evaluation metrics such as Confusion_matrix, Recall, Precision, ROC and AUC, F1, and Classification_report to try and get a better accuracy.

Advanced Password Checker *Python*

Implemented the "Have I been Pwned" API along with the SHA1 hashing function to check whether or not a password has been a part of a data leak online.

Intelligent Virtual Voice Assistant *Python*

Developed a smart virtual voice assistant program using various inbuilt and third-party libraries that responds to various commands. Including but not limited to: Retrieving factual data using the WolframAlpha API, playing music, searching on Wikipedia, telling jokes, and many more.

Hacker News Web Scraper *Python*

Scraped the Hacker News' website's first and second pages to only show posts that have more than 100 upvotes. This project helped save time on not reading the not-so-popular posts.

WORK EXPERIENCE

Self-Employed

Python Tutor

Online

May 2020 - Ongoing

- Teaching the fundamentals of Computer Science, Object-Oriented Programming, and Functional Programming

City Service Agency

Marketing Manager

Vancouver, BC

Oct 2020 - Nov 2021

- Generated and leveraged real-time, dynamic insights into new user acquisition, engagement, and ROI metrics
- Developed innovative and successful marketing solutions in close collaboration with colleagues and senior executives
- Grew results month-over-month by refining approaches based on tracking data and consumer insights