CONTACT

nikolaoskoutantos@gmail.com

+30 6909214262

Crete, Greece

https://www.linkedin.com/in/nikolaos-koutantos/

nikolaoskoutantos.com

TECH SKILLS

MATLAB

Python

Javascript

Databases

GIT

SOFT SKILLS

Communication

Time management

Problem Solving

Creativity

LANGUAGES

Greek

English

German

NIKOLAOS KOUTANTOS

MENG ELECTRICAL AND SOFTWARE ENGINEERING

SUMMARY

I recently obtained my diploma in Electrical and Software Engineering with expertise in Energy and Power Systems analysis from University of Patras. Power Systems' practical and theoritical background were the main occupation during my diploma studies.

Being interested in data science and the dynamic creation of my own REST APIs with usage of Python and Scrapy and I am responsible for the deployment, testing and maintenance of a medium scale web application, mainly developed as backend application.

As a side project I have used Node.js and MongoDB to create a more secure and fast implementation of an Energy Market with real supply and demand.This is the future work of my thesis.

A dynamic approach of insert , analysis and export of power systems data has been achieved through MATLAB with a GUI application for power systems analysis.

EXPERIENCE

Backend Developer **Aug 2020 - Present**
Self-Employed

Dynamic creation of my own REST APIs with the use of Python and a framework called Scrapy which is capable of crawling large amount of data.Splash and its JavaScript rendering capabilities are important factors during the whole product procedure. Dockerization of the whole source code is also a must for an efficient and reliable product.
MongoDB was used for storage as it is the most viable solution as far as speed, resources and maintenance cost are concerned.

EDUCATION

MEng Electrical and Software Engineering **Sep 2014 - Sep 2020**
University of Patras

During my Bachelor's years Mathematics and Physics were the most basic courses.

During the last two years my main objectives were Power Systems different sections such as Power Distribution , High Voltage systems and their protection as well as Power Systems Analysis.

My thesis was in Energy Markets implentation. A web application with MATLAB has been developed with Generators as the suppliers of power and dispatchable loads as dynamic power demands of the system , despite the fixed loads.The whole application gives at the Administrator of the power system full supervisor capabilities.