Bhumik Patel

1 475-223-3999 bpate12@unh.newhven.edu
https://www.linkedin.com/in/bhumik-patel-51132615b/

PROFILE:

Strong coding and problem-solving skills. Experienced in Python, Java, Web developing, Database Design, Data Analysis and Machine Learning.

EDUCTION:

University of New Haven West Haven, CT
Master of Science in Computer Science(2017-2019) (GPA 3.35)

Silver Oak College of Eng. And Technology Gujarat, India
(Gujarat Technical University)
Bachelor of Computer Engineering (2013-2017) (GPA 3.3)

TECHNICAL SUMMARY:

Language: C, C++, HTML, CSS, JAVA, PHP, Python
Database: MySQL, MS Access
Operating system: Windows, Mac OS, Linux
Tools: Microsoft Office, Jupyter, Tableau 10, Visio, Octave
Certification: Completed Bootcamp Python (Udemy), Pursuing Django framework (Udemy) and Pursuing Machine Learning (Coursera)

RELATED EXPERIENCE:

DJ's Outsourcing – Web developer (June 2016 - June 2017)
Worked in Agile Methodology of software development in PHP language with Laravel framework.

ICREATE – Web Developer (Jan 2016 - June2016)
Worked at various levels of development especially coding in PHP, HTML5, CSS3 for E-commerce Website.

COURSE PROJECTS:

Stock Predictor (IEX Cloud API**)** (University of New Haven- 2019)
The Project was based on Linear Regression a machine learning algorithm. This Stock predictor application predicts a stock value for the next day by using current day open and close values. I used the IEX stock API to fetch the live-stock data from the IEX cloud server. This project involved a basic level of GUI using Tkinter library. This application also shows future stock movement in the graph using matplotlib.

Energy Dataset Analysis and Prediction (Machine Learning) (University of New Haven-2019)
The project was based on Supervised machine learning algorithms. In this project, I have a dataset of the energy generated by different resources in a region of Spain by hourly of the year of 2015 to 2018. I trained a bunch of supervised models with those data to predict the energy need for the next day by hourly I also compare the accuracy I got with those models. I also used the resample function of the pandas to further differentiate and combine the data by monthly and predict the needs. For the visualization I made different charts like line-chart, bar-charts and pie-charts showing the monthly and yearly consumption and shows the predicted chart for needed energy next to it.