

# Bhumik Patel

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## **PROFILE:**

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

## **EDUCATION:**

### **University of New Haven**

Master of Science in Computer Science(2017-2019)

West Haven, CT

(GPA 3.35)

### **Silver Oak College of Eng. And Technology**

(Gujarat Technical University)

Bachelor of Computer Engineering (2013-2017)

Gujarat, India

(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

**IDE:** Pycharm, Conda, Atom, Eclipse, NetBeans

**Certification:** Completed Bootcamp Python (Udemy), Completed Python Web-development with Django framework (Udemy) and Pursuing Machine Learning (Coursera)

**Important Graduate Classs :** Advance Database system, Software project management, Software Quality Assurance, Script Programming python, Machine Learning and Data Analysis

## **RELATED EXPERIENCE:**

### **DJ's Outsourcing – Web developer**

(June 2016 - June 2017)

- Involved in Agile Development Methodology
- Worked PHP with Laravel framework
- Woked on Apache Webserver
- Worked in MySQL
- Assisting in Web-Scrapping with Python using BeautifulSoup Library.
- Learning Python Django Framework for faster Web-development.

### **ICREATE – Web Developer**

(Jan 2016 - June2016)

- Involved in various levels of development for making an E-commerce website.
- Worked in front-end development technologies like HTML5 and CSS3
- Design a database for the 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. To increase the

complexity of the project I didn't use any library or any framework to compute the Linear Regression. I used a NumPy library to perform the calculation.

**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 like(K-means, Random-forest, SVM, PCA, Nearest Neighbour)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.

**Personal Portfolio (Python Django Framework)** (Personal Development purpose -2019)

This is the one individual project I was doing when I got time after completing my graduation. I learned Django Framework to develop a Website. I create my personal Portfolio Website Which has all the information my last jobs and my social accounts like twitter and LinkedIn. The website also contains my latest resume to shows my skills to the recruiter and my recently posted blogs.