Mohit Patel

+1 (201) 691 4391 | mohit.patel@nyu.edu

https://mohitpatelnyu.github.io/portfolio/me/index.html

Education

Master's in Computer Science, New York University   **Dec 2019 / May 2020**
CGPA: 3.39/4.00
> Related Coursework: Big Data, Design and Analysis of Algorithms, Computer Vision, Machine Learning, Information Visualization, Operating Systems, Cloud Computing.

Bachelor of Engineering in Computer Engineering, Gujarat Technological University   **May 2018**
CGPA: 3.39/4.00
> Related Coursework: Data Structures, Object Oriented Programming, Database Management Systems, Computer Networks, Web Technologies, Software Engineering, Artificial Intelligence, Information Security and Privacy

Technical Skills

Programming Languages: Java, Python, C++, ASP.NET, OCAML, C#, R, C   **Operating Systems:** Windows, Linux
Web Technologies: JavaScript, HTML5, CSS, JSP, Node.js, D3.js, PHP, AngularJS   **Databases:** SQL, Oracle
Tools/Frameworks: Hadoop, Jenkins, MongoDB, Docker, Git, AWS, REST, Apache, Visual Studio, UiPath

Professional Experience

Software Engineer Intern, KBC Bank & Verzekering (New York, NY)   **June 2019 – Present**
- Developing a user interface using SQL, .Net, Java, Robotics Process Automation & Web Technologies for staging data required to perform necessary analysis by the relationship manager & finance department.
- Currently working on Robotic Process Automation to get the 10-K filing data from EDGAR Database for helping to spread business globally and scraping the latest data related to the home countries of KBC Bank..

Graduate Student Assistant, New York University (New York University)   **Jan. 2019 – May 2019**
- Graduate Student Assistant at NYU for planning, leading, managing and organizing office related work and helping students for solving their issues in the Campus using various Software Tools.

Software Engineer Intern, WayToWeb Pvt. Ltd. (Ahmedabad, India)   **July 2016 – Sept. 2016**
- Developed, back-end and front-codes in Java, SQL, Html CSS, JavaScript on NetBeans in a collaborative agile environment where I was involved in redesigning a product which automated the employee's work from excel to a web application.
- As an Intern, it provided me the opportunity to work with my mentors, team members to develop software and websites for clients who requested specific demands. It helped to hone over my Object-Oriented Principles

Teaching Assistant for Data Structures and Algorithms   **Sept 2016 – January 2017**

Technical Projects (GitHub - github.com/MohitPatelNYU)

GSOD – Global Surface Summary of the Day Analysis (Big Query, Python, Spark, HPC)   **Feb.2019-May 2019**
- Scalable Rainfall Prediction using GSOD Data provided by NOAA (National Oceanic Atmospheric Administration) and Machine learning models of Linear Regression & Decision Tree Classifier on High Performance Computing Cluster of NYU for faster performance and Scalability on big data.

Analysis of Vehicle Collisions in NYC (D3.js, Python, Tableau, JavaScript)   **Jan. 2019 – March 2019**
- Analysed the NYPD Open Data Initiative for analysing the pattern of vehicle collisions in NYC, using Information Visualization. This analysis helped to get insights regarding the frequency of accidents in specific boroughs of NYC.
- As an extension on this project, I want to predict collisions of vehicles at specific locations based on weather conditions using Machine Learning algorithms such as K-Means and Mean-Shift Clustering which can be helpful in reducing the collisions by taking preventive measures.

Human Classification from Images (Python, Pillow, OpenCV, Neural Networks)   **Sep. 2018– Jan. 2019**
- This project involved neural networks to classify the images whether they contain human or not without the use of any predefined library function. Input to the Neural Network is Histogram of Gradients and classify as Human or Non-Human.

Moody Music Player (Java, Python, OpenCV, SVM)   **Aug. 2017– May 2018**
- This project was based on innovative perspective which was recognizing the emotions from the facial expression of human faces and play the songs according to the Mood of the user. 70% accuracy was achieved

Blood Bank System (Java/J2EE, JSP, Web Technologies, SQL)   **Jan. 2017 – June 2017**
- Online demo website which was my academic project for the course of Object-Oriented Programming with Java, which can be used to track the blood groups within the enrolled blood banks of a region.

Medical Store Billing Software (ASP.NET, C#, Web Technologies, Visual Studio)   **Jan 2017 – June 2017**
- Developed this static software using ASP.net which can be used for generating bills in a medical store and gave me experience to work with Visual Studio and concepts of .net technology.

Certificates & Achievements
- **Machine Learning by Stanford University, Coursera**   **Present**
- **Amazon Web Services – Associate Solutions Architect**   **Present**