

Mohit Patel

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

Education

Master of Science in Computer Science

New York University, Tandon School of Engineering, New York

Related Courses: Cloud Computing, Machine Learning, Big Data, Information Visualization, Computer Vision and Scene Analysis, Design Analysis of Algorithms, Operating Systems, Computer Networks.

Bachelor of Engineering in Computer Engineering

Gujarat Technological University, Vishwakarma Government Engineering College, India

Anticipated: May 2020

CGPA: 3.39

Graduated: May 2018

CGPA: 3.39

Technical Skills and Interests

Programming Languages: Java, Python, C++, C#, R, C

Operating Systems: Windows, Linux

Web Technologies: JavaScript, HTML5, CSS, JSP, D3.js, PHP, AngularJS, NodeJS

Databases: SQL, Oracle, MongoDB

Tools/Frameworks: Hadoop, Jenkins, Docker, Git, AWS, REST, Apache Spark, Apache Kafka, ASP.NET, Tableau

Professional Experience

Software Engineer Intern, KBC Bank New York (New York, NY)

June 2019 – Sept. 2019

- Developed a Software robot using Python, SQL, Robotics Process Automation, UiPath tool which can be used by the relationship manager and finance department for expanding the business for the bank, by collecting the 10-K filing data from EDGAR Database and automated the process.
- Assisted in the development of the internal portal using JavaScript(D3.js) which supports the finance department to analyse the real-time data for specific filing type as and when required or request the new data which will be fetched by the Software robot, which eventually helps to save the manpower and increases the productivity.

Software Engineer Intern, WayToWeb Pvt. Ltd. (Ahmedabad, India)

July 2016 – Sept. 2016

- Implemented a Java and SWT Configuration Manager Module to configure list of clinical documents to be displayed on the application. Worked on JAX-RS and Hibernate based REST web service to handle the patient request from the applications.
- Developed, back-end and front-codes in Java, SQL & Html, CSS on NetBeans in a collaborative agile environment where I was involved in redesigning a product that automated the employees work from excel to a web app.

Graduate Student Assistant (New York University, NY)

January 2019 - Present

Teaching Assistant for Data Structures & Algorithms (GTU, India)

Sep. 2016 – Dec. 2016

Technical Projects (GitHub - github.com/MohitPatelNYU)

Smart Doorman System(Amazon Web Services, Python, JavaScript)

Nov. 2019- Present

- Developed a Smart doorman system to identify the visitors using AWS Kinesis Live Video Streaming and AWS Rekognition. It also interacts with the visitor to identify their purpose of visit and sends a Real-Time SMS to the owner. It also notifies the owner if any criminal is identified in front of the door.

AI Dining Chatbot (Amazon Web Services, Python, JavaScript, JSON)

October 2019

- Developed an AI-based dining chatbot using AWS Services which sends real-time messages to the Customer based on the cuisine selected by them. This chatbot provides scalability using AWS services such as Elasticsearch, DynamoDB, API Gateway, Lex Bot, SQS, Lambda functions(Python) and SNS.

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, JavaScript, Python, Tableau)

Jan. 2019 – March 2019

- Analyzed the NYPD Open Data Initiative for analyzing the pattern of vehicle collisions in NYC, using Information Visualization. This analysis helped to get insights regarding the frequency of accidents in NYC boroughs.

Human Classification from Images (Python, Pillow, OpenCV, Neural Networks)

Sept. 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 to classify as Human

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. Developed REST web service and implemented CRUD Operations.