

Nirav Patil

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Education

Master's in Computer Science, California State University, Fullerton

Anticipated: May 2021

Related Coursework: Software Architecture, Big Data, Design and Analysis of Algorithms, Computer Vision, Machine Learning, Neural Networks, Information Visualization, Operating Systems, Cloud Computing.

Bachelor of Engineering in Computer Engineering, Gujarat Technological University

August 2015 - May 2019

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: Python, Java, C++, ASP.NET, 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, MongoDB, Docker, Git, AWS, REST/SOAP, Apache, Visual Studio, UiPath

Professional Experience

Software Engineer Intern, Agile Infoways Pvt. Ltd. (Ahmedabad, India)

May 2018 – July 2018

- 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 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. Alongside It helped to hone over my Object-Oriented Principles.

Web Designer Intern, Silwerwing Technologies Pvt. Ltd. (Ahmedabad, India)

July 2017 – Sept. 2017

- I was offered an intern role as Web Designer, which provided me the opportunity of learning Web Designing with Bootstrap Framework and Project Deployment.

Teaching Assistant for Data Structures and Algorithms

Sept.2016 – January 2017

Technical Projects

Meet-Up Assistant (Python, AWS)

Jan. 2020- May 2020

- Designed a virtual assistant based on Python and using the AWS services (KVS, KDS, Rekognition, Elastic Search) to detect the face and analyze the data. Providing the meetings based on the user's interest.

Traffic management through SDN in CloudFirewall (Python, Openflow, AWS)

Aug.2019-October 2019

- Designed a virtual network environment on an ORACLE VM including SDN Controller and Mininet as the simulation tool, created script using the python language to design the complete infrastructure, and controlled the entire traffic through the firewall and SDN controller

Analysis of Vehicle Collisions in NYC (Python, D3.js, Tableau, JavaScript)

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.

Student Shield (Swift, Python, SQL)

Jan. 2019– May. 2019

- This project involved the Swift language because the project was based on iOS platform. The application was based Python and Swift languages. Input to the Neural Network is Histogram of Gradients and classify as Human or Non-Human Image.

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 to classify as Human

GSOD – Global Surface Summary of the Day Analysis (Big Query, Python, Spark, HPC)

Aug. 2017– May 2018

- This project was based on innovative perspective which was recognizing the best prices tickets from the different sites (travel companies' websites) and best suitable times using SVM. It was based on Java and Python language

Employee Management System (Java/C++, SQL)

August 2020- Present

- Designed a system for the organizations to manage employees works, records and salaries for the course of Software Design. Developed REST web service and implemented CRUD operations.