Prashantkumar Patel

5, Montrose Avenue 1, Jersey City, 07307 |
http://prashant18.me | prashant.patel@nyu.edu | 203.278.2695

EDUCATION

NEW YORK UNIVERSITY
MS in Computer Science
Tandon School of Engineering
Expected Aug 2018 | Brooklyn, NY

GUJARAT TECHNOLOGICAL UNIVERSITY
BE in Computer Engineering
Vishwakarma Govt. Engineering College Ahmedabad, India
June 2012- May 2016
GPA: 8.35/ 10

LINKS

Github:// **prashant182**
LinkedIn:// **prashant182**

COURSEWORK

GRADUATE
Computer Vision and Scene Analysis
Foundations of Data Science
Design and Analysis of Algorithms

UNDERGRADUATE
Data and File structures
Compiler Design
Theory Of Computation
Operating Systems
Information Security
Advanced Electronics
Computer Graphics

SKILLS

LANGUAGES
• Java • C# •Python •C/C++ • R • F#
• ASP • VB • Unix-Linux Scripting
• HTML/CSS • Swift

MACHINE LEARNING
• Accord.NET • SCiPY(python)
• Theano • Caffe • R

APP DEVELOPMENT
• Android (Java) • Xamarin (C#)
• Visual Studio (WinRT)

TOOLS
• MS SQL server • Visual Studio
• IntelliJ IDEA • MySQL
• Eclipse • Git

DATABASE
• SQL • PostgreSQL • MongoDB

EXPERIENCE

ALEXAPATH LLC. |Software Developer| Intern
[C#,Python,Image Processing,Machine Learning, MQTT,IOT]
Sep 2016 – Dec 2016 | Brooklyn, NY
- Alexapath's Windows application developer(C#.Net)
- Designed work flow for batch image processing,image stitching.
- Implemented MQTT C# client application.

STUDENTDESK Research Assistant|Software Engg. Intern
[C#,Java,Android Studio SDK/NDK,Laravel,PHP]
Aug 14 – Feb 16 | Ahmedabad, GJ (India)
- Designed android application the**studentdesk** .
- Implemented 3 tier architecture for message passing and communication between database application and back end.
- Implemented book search algorithm using Unsupervised learning (clustering)

PROJECTS

KINECT: FALL DETECTION | Graduate Project
[C#,Kinect,Machine Learning,EmguCV]
Sep 2016 – Present | Brooklyn, NY
- Implemented sophisticated background subtraction algorithm for human blob detection without using core Kinect API.
- Detecting human fall based on the inputs received from Kinect.

KINECT: EASE OF ACCESSIBILITY | Undergrad Project
[C#,Kinect,Machine Learning,OpenCV,EmguCV]
Sep 2015 – Feb 2016 | Ahmedabad, GJ (India)
- Designed Algorithm for human (hand) blob segmentation and classification (Supervised Learning SVM) with 94% accuracy.
- Gesture Recognition from hand motion 97% accuracy, implemented using Markov chaining model.

SLEXOPACKAGING | WEBSITE |Independent Project
[PHP,Wordpress,HTML/CSS,JS]
Mar 2015 – August 2015 | Ahmedabad, GJ (India)
- Designed **website** for the packaging firm. Implemented Search Engine Optimization.PHP is used for scripting and Wordpress is used for design framework.

COLOR SPLATTER | Microsoft Student Partner Challenge
[C#,C++,Unity]
Mar 2014 – Apr 2014 | Ahmedabad, GJ (India)
- Designed WinRT store **application** for the desktop and tablet as the part of coding challenge in the Microsoft.NET using C and Unity.
- Selected as Microsoft Student partner.

PAPERS AND PUBLICATIONS

ADVANCED RIVER FORMATION DYNAMICS FOR LOCATION AREA MANAGEMENT IN GSM [PRASHANT,DIXA,TAPAN ET AL.]
[IJERT] Feb 2016 – Aug 2016 | Ahmedabad, GJ (India)