KALPESH DUSANE

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EDUCATION

Indian Institute of Technology Bombay

Master of Technology, Computer Science and Engineering, Expected 2019 *8.69/10 CPI*

- ❖ Selected Coursework : Foundations of machine learning(CS 725, Fall 2017), Digital Image Processing(CS 663, Fall 2017), Artificial Intelligence(CS 621, Fall 2017), Algorithms and Complexity(CS 601, Fall 2017)

Sinhgad Academy of Engineering, Pune University

Bachelor of Engineering, Computer Science and Engineering, July 2015 *72.41 %*

SKILLS

Programming/Scripting Languages : (Proficient) Python; (Familiar) C++,C#,SQL,Javascript,MATLAB
Frameworks and tools : Django, Git, Asp.Net MVC 5

EXPERIENCE

Programmer Analyst Trainee

Cognizant Technology Solutions, Chennai, September 2015 - September 2016

- ❖ Worked as ASP.NET developer in agile environment on project for client Fiserv which is U.S based financial services technology. I am part of team which developed the interface between Fiserv and there banking clients using ASP.NET MVC 5 and SQL Server 2014 as back-end and JQuery, Bootstrap, Kendo UI and CSS as front-end.

Project Intern

Persistent Systems Pvt. Ltd., Pune, June 2014 – April 2015

- ❖ Developed an windows application (in Microsoft visual studio) using *CUDA C++* which reduce the size of image by content-aware image resizing algorithm called *Seam Carving* (feature incorporated in adobe photoshop). Additionally, we convert this sequential algorithm into parallel algorithm and implement using the power of Nvidia's GPUs also achieve around 10x speed up in time.

PROJECTS

Automatic Image Colorization

Indian Institute of Technology Bombay, Fall 2017

- ❖ Implemented a program which takes grayscale image (black&white image) as input and produce color image as output. We implemented this using Naive Feed Forward Neural Network furthermore we use Convolutional Neural Network (CNN). We implemented paper published by Stanford University titled *"Automatic Colorization of Grayscale Images"*.

Credit Card Fraud Detection

Indian Institute of Technology Bombay, Fall 2017

- ❖ Implemented various machine learning models like SVM, Logistic Regression, Random Forest and Neural Networks (using sklearn). We acquire dataset from Kaggle which is imbalanced so we use oversampling technique like SMOTE (Synthetic Minority Over-sampling Technique).