

siddhantjain@cmu.edu

(412) 628-7436

www.linkedin.com/in/bluenotebook

Siddhant Jain

EDUCATION

Carnegie Mellon University

Robotics Institute

MS in Computer Vision | CGPA: 4.11/4.33

Expected Graduation: Dec 2018

Courses: Computer Vision, Machine

Learning, Math Fundamentals for Robotics

Projects: Segmentation based data
augmentation for classification tasks

Birla Institute of Technology and Science, Pilani [India]

BE in Computer Science

MSc. in Economics

August 2010 - June 2015

Selected Courses: Artificial Intelligence,
Parallel Computing, Data Processing

Thesis: Framework to maintain classifier
performance with dynamic class
definitions

Projects: Spam detection algorithm to
weed out spurious user messages. This app
won Microsoft's *Code.Fun.Do 2014*
hackathon.

PATENTS

Method and apparatus for real-time
matting and despilling using local color
estimation and propagation | Issued:
10/10/2017

Creating Personalized Catalogues with
Recommendations Embedded in
Augmented Viewpoint to Retarget
Consumers | Filed 10/31/2016

Removing Overlays from a Screen to
Separately Record Screens and Overlays in
a Digital Medium Environment | Filed
11/14/2016 (First Inventor)

ACTIVITIES

Care Cambodia | Leadership Through Service

[Adobe and Team4Tech](#) | Ban Lung, Cambodia

Developed and executed teacher training
program on digital literacy in classrooms
for middle and high school teachers.

PROFESSIONAL EXPERIENCE

Adobe Systems, Bangalore | *Member Of Technical Staff 2*

JULY 2015 - AUGUST 2017

- Built a real-time background removal system for webcam videos shipped as marquee feature for 2015 release of Adobe Presenter Video Express. (USPTO patent granted)
- Lead developer for an industry first alpha-blending based technique for removing recording cues from screen recordings. (USPTO patent application filed as first inventor)

Awards: Innovation Excellence Award, in recognition of filing for multiple patents and pioneering creative projects

Mentored Projects

Language Education through Augmented Reality

Adventure game on Microsoft Hololens

Summers, 2017

- Engineered the framework in C# to be used for tasks like 3D object placement, room scanning and other game atoms
- Built a conversational bot using the LUIS bot framework

Augmented Reality based email retargeting

System to use AR data for improving recommendations

Summers, 2016

- Mentored intern research project where we built the AR data collection pipeline and 3D style matching algorithms (USPTO patent application filed)

Talks

Magic Green Screen: An introductory talk on background replacement in videos

[Adobe Tech Summit 2017](#) | San Jose, CA

< 25% of the 1250 submissions selected for a talk

Dell EMC, Bangalore | *College Intern*

JAN 2015 - JUNE 2015

Worked on a hybrid cloud monitoring solution for on-premise and cloud infrastructure on Google Cloud and AWS.

Adobe Systems, Bangalore | *Summer Intern*

MAY 2014 - JULY 2014

Built an ensemble of classifiers to perform background-foreground segmentation in human-centered webcam videos.

SKILLS

Languages: C++, C, Python

Frameworks/Platforms: OpenCV, MATLAB, Cocoa, Win32 API, Unity, AWS, Android, Perforce