

PALASH ASHOK BHATIA

215 William Street, Harrison, NJ-07029

+1 (646) 240 0939

pab39@njit.edu

LinkedIn: www.linkedin.com/in/palashbhatia/

GitHub: <https://github.com/palash-b>

Computer Science Graduate student at New Jersey Institute of Technology seeking Summer Internship opportunities starting May 2017.

Education

Masters of Science- Computer Science

New Jersey Institute of Technology, Newark, NJ

Graduation: May 2018 (Expected)

GPA 3.3/4.0

Bachelor of Engineering- Electronics and Telecommunication

Maharashtra Institute of Technology, Pune, IND

Graduation: May 2015

First Class with Distinction

Relevant Courses

Cognitive Computing, Internet and Higher Layer Protocols, Java Programming, Data Structures and Algorithms, Operating System, Database Management and System Design

Technical Skills

- Programming Languages: C, C++, Java, Python, SQL, Embedded C, Assembly, VHDL.
- Softwares: Eclipse, Netbeans, Wireshark, Matlab, Atmel Studio, Xilinx.
- Operating Systems: Microsoft Windows, Linux.
- Tools: FFMpeg, Yacc, Lex, GDB.

Certification

Microsoft Technology Associate in Networking Fundamentals

February'15

Academic Projects

Graduate Coursework:

Network based Web Proxy to handle HTTP, FTP requests:

September'16- December'16

- Devised a proxy complying to the HTTP/1.1 using Socket Programming developed in C using AFS Linux System. The Proxy was mutated to perform protocol mediation that is, when a browser receives a FTP request the proxy will parse the request and perform the FTP transaction by procuring the file from the server and return it as a HTTP response.

Hospital Management System:

September'16- December'16

- Developed a GUI based interactive application which simulates the working of a hospital with essentials such as Patient and Doctor Records, Nurse and Ward Boy Information as well as Billing and Room/Ward details. The technologies used were Java and MySQL.

Undergraduate Coursework:

Intruder Detection using Face Recognition:

August'14-May'15

- Formulated real time facial detection and recognition standalone system using Principal Component Analysis, Harr based Cascade Classification, Eigenvectors and Eigen faces, K-Nearest Neighbors and Microcontroller programming. Algorithm developed and implemented in Python using OpenCV Library. Accomplished **88%** success in real time facial recognition.

Image Processing based Vending Machine:

December'13-May'14

- Implementation of an automated vending machine using Networking and Image Processing techniques. Coin recognition algorithm developed and implemented using Matlab. Micro-Controller based software development in Embedded C using Atmel Studio.

Work Experience

Systems Integration Engineer at Dhupar Brothers Trading Pvt Ltd:

June'15 – June'16

- Designed home automation solutions by integrating high-performing subsystems for alarms, audio, lighting control with a single, easy-to-use app interface for superior control. The design involved whole-house control of entertainment, security, comfort, and convenience, through Legrand solutions and select third-party components.

Recognitions, Awards and Leadership Experience

- Technology Officer of the Graduate Student Association at NJIT for the academic year 2016-2017.
- Represented NJIT as a Graduate Student Delegate at the United Nations for the Youth Leadership and Peace Summit, 2016.
- Selected for paper presentation at the International Conference on Computational Photography at Rice University, USA, 2015.
- Selected for industry track paper presentation at ICACCI, 2015, Awarded 'Best Project – Research Track' at MIT Pune, 2015.
- Participated in Texas Instruments Innovation Challenge IDC and reached the quarter final stage amongst 3100 proposals, 2015.
- Chairperson of the National Level Technical Festival 'Texephyr', 2015, Vice-President of Cultural Festival 'M.E.R.C.', 2015.
- Head of the Association of Electronics Students at MIT Pune, 2015, 1st Runner's Up at the MIT Pune's 'Best Manager' Event, 2013.