Prateek Bhatnagar

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EDUCATION

JOHNS HOPKINS UNIVERSITY
Baltimore, MD
2017-Present

Masters of Science and Engineering

Computer Science GPA: 4.0

Research Interests - Computer Vision, Robotics & Machine Learning

VIT UNIVERSITY
NCR, India
2013 – 2017

B.Tech. Computer Science and Engineering

GPA: 3.90

EXPERIENCE

BEL -INDIA
NCR, India
JUN 2014 –JUL 2014

Software Engineering Intern

- Built a Java program to backup and restore configuration of Cisco and Juniper Switches and routers over a SSH connection on a Local Area Network

ENINOV
NCR, India
JUL 2015 –DEC 2015

Software Engineering Intern(Remote)

- Implemented a C++ Module to establish a TCP connection between server and client using a SSL protocol

RESEARCH EXPERIENCE
VIT, India
JUL 2015 –DEC 2015

Image Processing Research Assistant

- Studied K-Means and Constrained K-Means Algorithms in Image processing
- Designed MATLAB code to implement K-means and Constrained K means on a fused satellite image

B3 INTELLIGENCE
Delhi, India
JUN 2016 – JUL 2016

Software Development Intern

- Used C# & python [Django] to develop multithreaded applications used by Big Data Analysts for cleaning raw data.

RESEARCH

ACCEPTED
International Journal of Pharma &Bio Sciences

Image Processing - Detecting tumors in MRI scans of brains using thresholding

REVIEW

Optimisation of digital advertising in shopping complexes using trends identified from human activity heat maps.

REVIEW

Cloud based patient monitoring system with optimization support for Healthcare Institutions

PROJECTS

GITHUB

github.com/Lalbadshah

- Real time Transcription of American Sign language using Machine Learning Techniques
- Voice controlled home automation system that uses basic Natural language processing on an Arduino to toggle home appliances on and off.
- Image processing module for laser guided landing system of a quad copter drone
- Working with Arduino to build some IOT applications integrating with a cloud platform
- Design for Specialized phonetic keyboard to enable mutes to communicate
- Used Django to automatically create a local Database of movies and videos on a PC that the user can easily search through.
- Used Python to create backend software for controlling a hacked toy drone

SKILLS

HIGHLY SKILLED   C, C++,C#, MATLAB ,python WEB- Django, HTML

PROFICIENT   CSS, PHP, JavaScript(Prior Experience), JAVA(Prior Experience)