Prateek
Bhatnagar 🌐 www.prateekbhatnagar.me ✉ prateekbhatnagar2016@gmail.com

EDUCATION

VIT UNIVERSITY - B.Tech. Computer Science and Engineering

(GPA : 8.38 on 10 point scale)

2013 – Present [Currently In 4th Year]

SANSKRITI SCHOOL - CBSE Science - 92.2%

EXPERIENCE

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 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

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

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

RESEARCH

ACCEPTED

International Journal of Pharma &Bio Sciences

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

REVIEW

Cloud based patient monitoring system with optimization support for Healthcare Institutions

REVIEW

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

PROJECTS

GITHUB

github.com/Lalbadshah

- 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
- Using Python -Renaming files in windows, simple text processor to check for profanity and Sending a text message using an online API called Twilio
- 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#, python WEB- Django, HTML,CSS,PHP

PROFICIENT

MATLAB, JavaScript(Prior Experience),JAVA(Prior Experience)

SOCIAL WORK

UMANG
2010-2011

Taught and worked with underprivileged children - aged 8 to 10 as part of an afterschool program

PRAVAH
Uttrakhand
2011-2012

A rural environment, village sensitization trip focused on exposing students living in urban areas to different village environments across India.