Abhishek Bansal

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Education

B.Tech Computer Science
B.M. Institute Of Engineering And Technology,Sonepat (Affiliated to GGSIPU) | 2020 | 8.24 CGPA

Class XII
N.C. Jindal Public School
CBSE | 2016 | 81.4 %

Class X
N.C. Jindal Public School
CBSE | 2014 | 9.2 CGPA

Skills

Languages : C/C++,Python
Basics of : Java

WebDev Basics : HTML, CSS, JS

Libraries: OpenCV,Numpy,Scipy,LATEX Flask,Scikit-Learn, Tensorflow API,Matplotlib,Face_recognition,PIL, BeautifulSoup,Selenium

Others:MySQL, MongoDB, MS Office, JIRA, Git, Gerrit

CourseWork

Undergraduate:
•Algorithms •Data Structures •Object Oriented Programming

Independent:
• Training in Core JAVA Programming. (CERTIFICATE)

Extra-Curricular

2018 | Volunteer | Pydata Delhi Conference
- Handled logistics & managed on-site ground support
2018 |Tech Event Manager | Conoscenza
-Managed a joint gaming and tech event at inter college level

Internships

June-July'18 Research and Development Intern | Ballistics Division, Forensics Science Laboratory (Govt. Of Delhi) (CERTIFICATE)
MENTOR: Dr Avinash Srivastava
•Contributed in software development to find out similarities between a set of different bullet images fired from the same firearm
•Developed and implemented an image processing algorithm to mask the region of interest and applied different functions like depolarization and rotation to make image ready for comparison.
•Technical Stack Used: Python, Matplotlib, OpenCV, Numpy, Scipy, PIL.

June-Aug'19 Software Developer Intern | MakeMyTrip (CERTIFICATE)
•Worked on a project to improve the ranking system of a hotel by generating insights(seek tags) out of the user reviews on MakeMyTrip website and application
•Implemented web scraping scripts to mine data for analyzing the frequency of locations,amenities and vibes.
•Worked on creating a Universal Search System for flights,railways and hotels to improve user's search experience
•Technical Stack Used: Python,Java, Matplotlib, Numpy, Scipy, MongoDB, BeautifulSoup, Selenium, Requests, NLTK, Elasticsearch.

Hackathons and Projects

March'18 SMART INDIA HACKATHON 2018 (CERTIFICATE)
•Worked on the problem statement 'Linkage of fired cartridge cases/bullets from different Police Stations in different FIRs at different times' given by Government of Delhi.
•Implemented feature matching function of OpenCV library on the dataset.
•Implemented Structural Similarity Index method for comparing the similarities in a set of bullets.

October'18 InOut HACKATHON 5.0 (PROJECT LINK)
•Developed an on-site face recognition mobile application allows attendees to check-in using only their face in just few seconds.
•Technical Stack Used:Python, Flask, Face_recognition, Scikit-Learn, Android Studio.

Sept-Oct'18 DETECT-ME (PROJECT LINK)
•Developed a real-time object detection algorithm. This algorithm is used to detect the object in a live videofeed by webcam.
•Technical Stack Used: Python, OpenCV, Matplotlib, Numpy, Tensorflow Object Detection API.

Achievements

Oct'14 National Basketball Championship
Secured Second Position in the tournament held in Delhi.

Mar'18 Deloitte Award for Best Innovation 2018
Won 10k in cash and a trophy at Smart India Hackathon 2018

MOOCs

July'19 Algorithmic Toolbox (LINK)
By University of California San Diego and National Research University Higher School of Economics on Coursera.