

Abhishek Patel

K-005 IIIT Bhubaneswar boys hostel – Odisha – India

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in Abhishek Patel

Experience

Center of Astronomy, IIT Indore

○ Research Intern

Dec 2017 to Jan 2018

- Guide: Dr. Bhargav Vaidya

Morphological classification of astrophysical jets using Convolutional neural network and data augmentation. Research paper is under writing phase.

Tech Stack: Python, Keras, Matplotlib, Astropy

Hackathon and Event

Finalist : Devfest Hackathon 2017

○ Google Developer Group Bhubaneswar

Sept 2017

- Was part of team Bloodsheders, We made a project which scrape the review of verified user on different E-commerce website for a given product and did Sentiment analysis on it

Tech Stack - Python, Scikit learn, NLTK, Selenium

Winner : Winter Development challenge 2016

○ IIIT Bhubaneswar

Dec 2016

- Made an hybrid android application that could track the location of all the employee of an Organisation

Tech Stack - Cordova, HTML/CSS, Java script, Php

Education

IIIT Bhubaneswar

○ BTech Computer Engineering, 7.78/10.0

2016-Present

Kendriya Vidyalaya No. 2 GCF, Jabalpur

○ Higher Secondary Education, 87.4%

2013-2015

Kendriya Vidyalaya No. 2 GCF, Jabalpur

○ Matriculation, 9.6/10.0

2003-2013

Projects

Smart Fire alarm (Ongoing)

- Guide - Suraj Sharma

Working on a smart fire system that can detect the heat and the location of fire and start the sprinkler according to it. It also sends the notification to the connected smart device.

Tech Stack - Python, Arduino, Javascript, Java, SDK

- **Pong-using Reinforcement Learning**
 - Made a pong player from scratch using policy gradient. It can be seen here [Pong Tech Stack](#) - Python, Open-AI gym, Numpy
- **Sentiment analysis on twitter data**
 - Accessed Twitter live stream and captured tweets using the oauth2 library and Twitter REST API.
 - Extracted feature words using Lemmatisation and Stemming, Removed Stop Words and Normalised words with intensely repeating letters

Tech Stack - Python, Scikit learn, NLTK
- **Hibiscut**
 - It's a script that could fetch the notices from intranet portal of IIIT Bhubaneswar and send them to the mobile of all the currently enroll student via text message

Tech Stack - Python, Selenium, Requests, BeautifulSoup

Achievements and Awards

- **Winner** : Code Navratri is individual competitive coding event organized by Hackerrank and IIIT Bhubaneswar
- **Cookoff** : 2 times top 500, in codechef cookoff
- **Runner up** : Swig'n'code event organize by IIIT-bhubaneswar, on techfest
- **Runner up** : Competitive coding contest organized by ACM chapter of IIIT Bhubaneswar

Relevant skills

- Computational Statistics : Data analysis, Data Mining, Machine Learning, Artificial Neural Networks
- Programming Languages : C, C++, Python, SQL
- Statistical Tools : Tensorflow, Keras, Numpy, Scipy, Scikit-Learn
- Tools : \LaTeX , Git, Pycharm

Interests and extra-curricular activity

- Reading Books and Surfing Quora.
- Participate in all kinds of sports and activities, particularly Badminton, Table tennis and Chess
- Watching Movies and Listening Music.

References

- Dr. Bhargav vaidya
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