

# Mr. Harshit Bajpai

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<b>Nationality:</b>	Indian		



## Profile

I am a final year B.Tech. student at HBTU Kanpur. I love to code, think and build things. My interest area includes Machine Learning, Artificial Intelligence & Web development. Besides my regular curriculum, I have completed multiple MOOCs in my interest areas to expand my learning and skill set. I have also applied my learning to build wonderful products for multiple startups (Truebil, Flicktree) and lot of college projects (Techfest Platform). I want to impact life of people through my work and building software is a cool way to do that. Therefore I am looking for an exciting opportunity to solve challenging problems and utilize my skills to fullest.



## Education

- |                   |   |
|-------------------|---|
| 07/2014 - present | <ul style="list-style-type: none"><li>● <b>Computer Science Engineering</b><br/><i>HBTU (Harcourt Butler Technical University) Kanpur, Kanpur, India</i></li></ul>  |
| 07/2014 - present | <ul style="list-style-type: none"><li>● <b>MOOCS (Massive Open Online Courses)</b><br/><i>Self Learning</i><ul style="list-style-type: none"><li>● <b>Machine learning Advanced</b> - Udacity (by Georgia Tech University)</li><li>● <b>CS50</b> - Harvard University - Received a grade of 1.0 (Highest) in all problem sets</li><li>● <b>Web Development</b> - Udacity-Google(HTML, CSS, JavaScript, JQuery)</li><li>● <b>Java</b> - VARARGS - Developed web and enterprise applications using J2EE. Submitted project 'Share your thoughts'.</li></ul></li></ul> |



## Corporate Experience

- |                   |  |
|-------------------|--|
| 05/2017 - 07/2017 | <ul style="list-style-type: none"><li>● <b>Software Developer Intern</b><br/><i>Truebil, Mumbai, India</i><ul style="list-style-type: none"><li>● Responsible for setting up of Email Automation system for the company; saved 1000+ hours for the company and manpower of about 10 people</li><li>● Conceptualized and executed for data integration from third party websites using Node.js ; <b>achieved</b></li><li>● Worked on web analytics - Transfer of code from Google Analytics to Google Tag Manager</li></ul></li></ul> |
| 06/2016 - 10/2016 | <ul style="list-style-type: none"><li>● <b>Campus ambassador and Intern</b><br/><i>Flickstree</i><ul style="list-style-type: none"><li>● <b>Flickstree</b> - Created Word of Mouth Campaign as <b>campus ambassador</b> and incorporated feedback received with development team and got awarded "Letter of Appreciation" for hard work and innovation</li></ul></li></ul>   |



## Other experience

- |                   |   |
|-------------------|---|
| 08/2017 - present | <ul style="list-style-type: none"><li>● <b>Final year project</b><br/><i>Hybrid of PSO and GA</i><br/><b>Creating hybrid of PSO and GA to optimize network routing</b><ul style="list-style-type: none"><li>● Researching &amp; Developing new algorithms inspired by intelligent biological swarms</li><li>● Aiming to solve the complex problems faced by network such as increasing network size, rapidly changing topology etc .</li><li>● Creating a hybrid of PSO and GA to increase efficiency</li></ul></li></ul> |
| 12/2016 - 04/2017 | <ul style="list-style-type: none"><li>● <b>Web developer</b><br/><i>Zest, Kanpur, India</i><ul style="list-style-type: none"><li>● Led the website design of the organizing committee for college tech fest</li><li>● Achieved 2000 views within a day of launch.</li><li>● Increased participation from different colleges by almost 40%.</li></ul></li></ul>  |



## Other experience

06/2016

### Self Projects

#### Smartcab

- Designed a simulation for a car to choose path to destination
- Based on a *decaying*,  $\epsilon$ -greedy Q-learning algorithm with no discount factor, I created an optimised Q-Learning agent to perform the optimisation.
- Skills used - Python, Machine Learning

#### Social media listening

- Designed "Sentiment analysis" otherwise known as "opinion mining" which involves inference of sentiment from text.
- It classifies user's tweets as positive or negative or neutral based on hybrid of SVM and KNN algorithm.
- Skills used - Python, Twitter APIs, NLTK.

#### Image Classification

- Classify images from the CIFAR-10 dataset using neural networking
- Skills Used: Python, Deep Learning, Tensorflow

07/2016 - 04/2017

### Captain & Campus Ambassador

Mozilla Firefox, Kanpur, India

- Initiated Mozilla Firefox Community in College and launched campaigns to increase open source ecosystem awareness
- Successfully planned and executed Mozilla event during tech fest of college



## Skills

### Coding/ Programming skills

C and Java	★★★★☆
Python	★★★★☆
JavaScript, HTML, CSS	★★★★☆
PHP & SQL	★★★★☆
Node.js	★★★☆☆
React	★★☆☆☆



## Awards and Certifications

07/2017

### Certificate of Appreciation - Internship

Truebil

02/2018

### Google India Challenge Scholarship

Google-Udacity

06/2017

### CS50

Harvard University

<https://courses.edx.org/certificates/fafbc2f2d724849bb956aded18f64c7>

12/2015

### Vocational training

VARARGS

- Developing enterprise application and web services using J2EE

### Competitive Events

- Winner of national level quiz competition -300+ teams in Zest 2017
- Winner of national level coding event among 100+ teams in (Incord 2015)
- Runner Up in B- Plan (Incord -2015) - Utilizing waste materials produced by fruit vendors
- Winner in Panel discussion on LGBT rights discussion (Odyssey 2014); 50+ state teams
- Ethical hacking - Organized workshop on Ethical hacking with 100+ participation from all over city



## Hobbies



Quizzing



Solving rubik's cube



Quora and reading