

Nishant Arora

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EDUCATION	B.E. (Hons.) Mechanical Engineering and M.Sc. (Hons.) Mathematics Birla Institute Of Technology and Science,Pilani	2014 — 2019
	Class XII (A.I.S.S.C.E) GMSSS, MHC (Chandigarh) Percentage: 88%	2013 — 2014
	Class X (A.I.S.C.E) Bhavan Vidyalaya, Panchkula CGPA: 10	2011 — 2012
RELEVANT COURSEWORK	Computer Programming, Data Structures and Algorithms, Object Oriented Programming, Machine Learning, Data Mining, Information Retrieval, Deep Learning Specialization.	
WORK EXPERIENCE	nearbuy.com Software Development Intern A/B Testing Framework based on Bayesian Statistics with a user friendly UI that shows test results in real time. Also devised a new Listing Ranking algorithm using Machine Learning which optimizes various objectives.	May 2018 — July 2018
	nearbuy.com Software Development Intern Natural Language Processing Project : Designed a free text search parser using Apache Spark in Java while interning at nearbuy.com. The classification model used was a Random Forest Classifier and the accuracy obtained was 94%.	May 2017 — July 2017
	DoSelect Problem Setter Set Up algorithmic problems for programming contests at DoSelect. Conducted 5 programming contests and hackathons for DoSelect.	Aug 2016 — Feb 2018
	H.M.T. Business Group Summer Intern Devised and Implemented an algorithm for the automatic generation of unique supplier code using C++ and MySQL at HMT Business Group which marked the end of the manual system which was in existence from years.	May 2016 — July 2016
PROJECT WORK	<ul style="list-style-type: none">Implemented a visual search engine within elasticsearch which uses image vector extraction using the Resnet-18 Model, self implemented vector to string encoders and ranking algorithms.Implemented various 2D packing algorithms in MATLAB and Python.Scraped advanced football statistics from understat.com to a Pandas dataframe and used that to cluster the players based on their goal scoring and playmaking capabilities.	

- Developed a Flask Webapp which analyzes the person's intelligence levels through the input fingerprint ridge count and input values and generates a report of the same.
- Worked on the Enron Dataset and tried to identify various POIs using various Machine Learning techniques.
- Analysed the Football World Cup 2018 Data using various Machine Learning algorithms.
- Made an Object Following Robot in first year using MATLAB and Arduino.

ACHIEVEMENTS AND EXTRA CURRICULAR ACTIVITIES

Online Judges:

- Hackerrank Algorithms Domain World Rank: 200, Percentile : 99%
- Codeforces Rating: 1614, Problems Solved > 500
- SPOJ World Rank: 2500

Participated in the ACM ICPC Asia Amritapuri Site Regional Contest 2016.
Team Name: treeBitsians

Won the award for the Best Intern at nearbuy.com in the summer of 2018.

Secured 3rd position in CodeGenesis 1.0 on Hackerearth.

Secured 4th position in College Hackathon on Hackerearth.

Secured 8th position in Inter University Programming Contest 2016 at Plinth TechFest.

Microsoft codefundo++ 2018 participant.

Gold Medals in various District and State Level Chess Competitions and Participation in North-Zone and Nationals.

Interested in Competitive Coding, Data Science and Artificial Intelligence. Hobbies include playing Chess and Football, Puzzle Solving, Reading, Watching Movies and Gaming.

POSITIONS OF RESPONSIBILITY

- Core Member at BITS-ACM (Association of Computing Machinery)
- Event Coordinator of Programming Contests conducted by BITS-ACM
- Core Member of the Mathematics Association
- An Active Students Union Volunteer
- Managed LAN Sharing Facility for the Whole Campus

TECHNICAL SKILLS

Basic Skillset : C, C++, Java, Python, GoLang, MATLAB, R, MongoDB, Tensorflow, Keras, PyTorch, Elasticsearch, Machine Learning, Flask, Heroku, fpdf, Pandas, BeautifulSoup, Number Theory, SQL, PL/SQL, Git, Apache Spark, Apache Kafka, A/B Testing, HTML/CSS, Javascript.

Operating Systems: Windows, Linux, Mac OS

Software: IBM SPSS, Visual Studio, PowerBI, STS, Metabase, Autocad, Solidworks, DartFish

ONLINE CERTIFICATIONS

- Introduction to Machine Learning, Udacity
- Neural Networks and Deep Learning, Coursera
- Algorithms : Design and Analysis, Stanford University
- Improving Deep Neural Networks, Coursera
- Algorithms : Design and Analysis II, Stanford University
- SEO for Beginners, Udemy
- Structuring Machine Learning Projects, Coursera
- Convolutional Neural Networks, Coursera
- Sequence Models, Coursera
- Text Retrieval and Search Engines, Coursera