

# Nishant Prajapati

## PERSONAL DATA

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DATE OF BIRTH: 05 February 1999  
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HACKERRANK: [https://www.hackerrank.com/Nishant\\_2017](https://www.hackerrank.com/Nishant_2017)  
CODECHEF: [https://www.codechef.com/users/nishant\\_raja](https://www.codechef.com/users/nishant_raja)

## CAREER OBJECTIVE

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To achieve a position where I can efficiently use my engineering skill to the growth of the organization and make products which are helpful in our daily life.

## EDUCATION

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2016 - PRESENT    COMPUTER SCIENCE AND ENGINEERING, (Dual Degree)  
                         **National Institute Of Technology, Rourkela**  
                         EXPECTED - 2021  
                         GPA: 8.24/10

2016                Senior Secondary Certificate  
                         **MRS. K.M.P.M. Inter college (JAC Board), Jamshedpur**  
                         PERCENTAGE: 86.80

2014                Higher Secondary Certificate,  
                         **Patna Doon Public school (CBSE), Patna**  
                         PERCENTAGE: 89.30

## WORK EXPERIENCE

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MAY-JUNE 2019	SUMMER INTERNSHIP AT IIT BHUBANESWAR I worked on intrusion detection system using flow-size difference and Benford's law.
DEC-2018	INTERNSHIP AT KHARAGPUR WINTER OF CODE I worked on an open source project named "MESSIAH" which is a web-based service to help saves life and prevent economic losses.
MAY-JULY 2018	INTERNSHIP AT IIT BHUBANESWAR I worked on a research project CONTEXT-ADAPTIVE INTRUSION DETECTION SYSTEM USING RE-INFORCEMENT LEARNING. IDS monitors the network traffic and system level applications to detect malicious activities.

## PUBLICATION

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IEEE COMSNETS 2020	A Lightweight Intrusion Detection System using Benford's law and Network Flow Size Difference.
IEEE COMSNETS 2020	Deep Reinforcement Learning based Intrusion Detection System for Cloud Infrastructure.

## PROJECTS

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ACTIVITIES RECOMMENDER SYSTEM	JANUARY-APRIL, 2019 I created a content-based article recommender system where user can get the recommendation for a various article based on their previous views, using a machine learning technique.
VOICE RECOGNITION BASED SECURITY SYSTEM	AUGUST-NOVEMBER, 2018 This project is based on machine learning. I developed a voice based security system, which takes users voice as input and by MFCC feature extraction algorithm and using deep learning technique it identifies whether the person is authentic person or intruder.
NITRUTSAV-18 WEBSITE	FEBRUARY, 2018 I along with my web team, created a website, based on Retro theme for <i>NITRUTSAV, Cultural fest of NIT Rourkela</i> . I had created a sign-up page where new user can register and sign-in page where existing user can view their profile.

## TECHNICAL SKILLS

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General Programming:	C++, Python, C, Core java
Databases:	MySQL
Frameworks:	Flask, jQuery, PHP, Prolog, Pandas, Numpy, Keras, Cleverhans, Librosa, PyAudio
Other Software:	XAMPP, Code block, Jupyter notebook, Git, LaTeX

## SOFT SKILLS

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LANGUAGES	English - Professional Fluency Hindi- Mother Tongue
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## EXTRA CURRICULAR ACTIVITIES

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LITERARY AND CULTURAL SOCIETY	<i>web team Coordinator, NITRUTSAV-2k18</i> I along with my team managed the website and database whole throughout the fest.
TECHNICAL SOCIETY	<i>Coordinator, INNOVISION-2k17</i> I worked as a Coordinator in Emergency and security team in our technical fest. I also participated in some events.

## SCHOLARSHIPS AND CERTIFICATES

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DECEMBER 2019	ACM ICPC: Participated in ICPC Asia Amritapuri on-site regional contest 2019-20.
MAY 2019	Coursera: Completed Machine learning course authorized by Stanford University.
DECEMBER 2018	Udemy: Python and Flask Bootcamp-Create Websites using Flask.
JUNE 2018	Secure 702 out off 6731 position in Week of code 38 in hackerrank coding platform.
JUNE 2018	Udemy: Complete Python Bootcamp: Go from zero to hero in Python.
AUGUST 2017	Branch topper in 1 <sup>st</sup> year (in Information security specialization)
APRIL 2016	District topper of Intermediate science in 12th class.
BEFORE 2016	Won science exhibition, painting, essay writing competitions at school level.

## INTERESTS AND ACTIVITIES

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Competitive programming, Machine learning, Quora, Q&A expert at CHEGG.