

## CONTACT

✉ vishnu\_psp@mfs.iitr.ac.in

in LinkedIn id

☎ +91-6394285001

## SKILLS

Machine Learning 1+ yrs

Deep Learning 1+ yrs

Mathematical and Statistical Learning 5+ yrs

Python 2+ yrs

C 3+ yrs

Matlab 4+ yrs

Optimization 5+ yrs

Teaching 3+ yrs

Latex 1+ yrs

## LANGUAGES

Hindi

English

# Vishnu Pratap Singh Parihar

Research Scholar - Data Science and Artificial Intelligence

## EDUCATION

**Ph. D. - Data Science & Artificial Intelligence**  
IIT - Roorkee, Uttarakhand (India)

2023 - ongoing

**Current Status:** Pursuing coursework and exploring the domain of Hyperspectral and Multispectral imagery from the viewpoint of Mathematics, Computer vision, Deep Learning, & Reinforcement Learning

**M.Sc. - Applied Mathematics**  
Institute Name - IIT Mandi, Himachal Pradesh (India)

2017 - 2019

Passed with **7.1 CGPA**.

Thesis: Chaos study in Bird's vocalization.

**B.Sc. - Statistics, Mathematics, & Physics**  
University Name - Chhatrapati Shahu Ji Maharaj University, Kanpur, Uttar Pradesh (India)

2014 - 2017

Passed with **58%**.

**10+2 - Physics, Chemistry, Mathematics, English, & Hindi**  
School Name - Methodist High School, Kanpur, Uttar Pradesh (India)

2013 - 2014

Passed with **86%**.

## ACHIEVEMENTS

**GATE - Mathematics**

2022,2023

Passed with **(96+ Percentile)**.

**JAM - Mathematics**

2017

Passed with **(95+ Percentile)**.

**Other Pg Achievements**

2017

Also cleared Post Graduate Mathematics entrance exam for various reputed institutes such as Banaras Hindu University, Delhi University, and Jamia Milia Islamia College in 2017.

## HOBBIES

Cooking  
Spending time with friends  
and family  
Cycling  
Travelling  
Swimming  
Meditation  
Trekking

## REFERENCES

### Dr. Balasubramanian Raman

Professor,  
Department of Computer Science,  
iHUB Divyasampark Chair Professor,  
Joint Faculty Mehta Family School  
of Data Science and Artificial Intel-  
ligence  
Indian Institute of Technology Roor-  
kee,  
Roorkee- 247667, India  
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### Dr. Sanjeev Kumar

Professor,  
Department of Mathematics,  
Joint Faculty Mehta Family School  
of Data Science and Artificial Intel-  
ligence  
Indian Institute of Technology Roor-  
kee,  
Roorkee- 247667, India  
✉ sanjeev.kumar@ma.iitr.ac.in  
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🌐 LinkedIn

## 10+2 Achievements

2014

Distinction in **Physics(88), Maths(92), & Chemistry(94)**.  
Cleared IIT JEE mains 2014.  
Cleared UPSC NDA Written exam twice.  
Appeared in Service Selection Board Interviews 4 times.

## IELTS

### 7.0 out of 9 Band

A certificate issued by the International Development Program (IDP), Aus-  
tralia to prove English language proficiency for non-native English lan-  
guage speakers.

## WORK EXPERIENCE

### Researcher

Sep 22 - June 23

**Naval Science & Technological Laboratory (NSTL),  
DRDO, Visakhapatnam (Andhra Pradesh)**

Responsibility: Study of Algorithms for weapon Target Allocation Problem,  
Optimal trajectory analysis and estimation for underwater heavy-weight  
torpedoes, the on-site experience of Fire control systems for torpedoes,  
and various other administration & management roles.  
OnSite part of a DRDO team who successfully launched "**Varunastra**"- a  
state-of-the-art heavyweight indigenous built torpedo, operational from  
ship, submarine, and aircraft. This news is featured in almost all newspa-  
pers of the country on 6 June 2023.

### Content Developer

Oct 19 - Sep 21

**Byju's, work remotely**

My role is primarily but not limited to preparation of IIT JEE, NDA and other  
college-level Mathematics entrance exam content.

I have been doing tutoring jobs since my Bachelor's.

## WORKSHOPS & CONFERENCES

**International Conference on Computations and Data  
Science  
IIT Roorkee**

March 2024

**Indian Conference on Computer Vision, Graphics and  
Image Processing  
IIT Ropar**

Dec 2023

**International Conference on Soft Computing for  
Problem Solving (SocProS 2022)  
IIT Roorkee**

Aug 2022

**THREE DAYS SCIENCE ACADEMIES' LECTURE WORK-  
SHOP ON "ESSENCE OF PARTIAL DIFFERENTIAL  
EQUATIONS"  
IIT Mandi**

MAR 20-22, 2018

## EXTRACURRICULAR

- Have vast experience in successfully organizing events and ceremonies like academic conferences, Marriage ceremonies, after-life rituals and other professional and traditional rituals.
- Have travelled to almost all states of India except a few northeastern states.
- Career and Placement Cell Representative for M.Sc. Mathematics at IIT Mandi from Aug 2018 – May 2019.
- Wicketkeeper and batsman of my school cricket team.
- Winner in 100m race in General Championship held at IIT Mandi on August 2017.
- **Bronze medal** in Javelin throw in Ranneeti an Inter-University sports meet held at IIT Mandi on March 2018.
- **Silver medal** in Javelin throw in Inter School Zonal meet held at St. Peter School, Agra in 2011.
- Participated in Inter School Cultural Dance competition held at Methodist High School Kanpur.
- School treasure- a position in the student body occluded to senior secondary students to maintain discipline, planning and execution of events.