



Harsh Pandey

Engineering Physics

sophomore @IIT BHU Varanasi

harsh.pandey.cd.phy19@itbhu.ac.in ✉

8840241988 📞

Varanasi, India 📍

harsh1245-bit.github.io 🌐

linkedin.com/in/harsh-pandey-210a94191 in

github.com/harsh1245-bit 🐙

EDUCATION

HSC (XI-XII)

Pt. D.D.U.S.D.V.

04/2016 - 05/2018

93.8%

B. tech + M. tech (Integrated)

Indian Institute of Technology, BHU Varanasi

07/2019 - Present

CPI : 8.43

Courses

- Solar & Plasma Physics
- Classical physics & Electromagnetism
- Condensed matter physics
- Natural Language Processing
- Mathematical methods
- Quantum Physics
- Basics of Electronics and Electrical Eng.
- Computational physics
- Deep Learning

WORK EXPERIENCE

Content-writer

LiteLesson

07/2020 - 09/2020

Data-Science Intern

SkyQuest Technology

03/2021 - Present

Achievements/Tasks

- Scraped the news and press releases of top 1000 pharmaceutical companies
- Build the custom sentiment analysis of model using that data, with the help of NLP and spacy

ORGANIZATIONS

Astronomy Club, IIT BHU (09/2019 - Present)

Core Team Member

Business Club, IIT BHU (09/2019 - Present)

SKILLS

Machine Learning

MySQL

Python

C / C++

Deep Learning

NLP

Web Scraping

AWS

Mathematical models

SELF PROJECTS

COVID-19 Face Mask detector (02/2021 - 03/2021)

- Used CNN, Convolutional Neural Network for the project and trained the model with help of libraries like Pandas, Numpy, Sci-kit Learn, Pathlib, PIL, Open-CV and many more.
- Model is 99.73% accurate and identifies the face with mask or without mask.

Hand written digits classifier (12/2020 - 12/2020)

- The model to predict the digits written on a paper with using Deep-learning and python's libraries i.e. Pandas, Numpy, Matplotlib and Sci-kit learn

Portfolio Website (02/2021 - 02/2021)

- Built a portfolio website using HTML, CSS, Bootstrap and Django

PROJECTS

Gravitational Lensing under Dr. Prasun Dutta (Associate Prof. IIT BHU) (01/2021 - Present)

* Time delay and amount of deflection faced by light while passing near a gravitational lens. * Studying microlensing-induced stellar variability in the LMC (EROS, MACHO) as well as in the Galactic bulge (DUO, MACHO, OGLE).

ACHIEVEMENTS

Bagged First Position in Supernova (02/2020 - Present)

An event that included Case-studies, Paper-presentations, Quizzes, Observational Astronomy in India's second largest Tech-fest i.e. Technex, IIT BHU.

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency

INTERESTS

Gravitational Lensing

Information systems

Natural Language Processing

Deep Learning

Music