PERSONAL DETAILS:

Name: Ashutosh kumar

Email id: ashutosh845450@gmail.com

Phone no.: +919576908854

EDUCATION:

Year	Degree/Exam	Institute	CGPA/Marks
2020	M.SC(GEOPHYSICS)	IIT Kharagpur	8.07/ 10
2018	BSc (physics Honours)	Patna university	73.75%
2015	Higher secondary examination	BSEB	71.6%
2012	High school certificate	CBSE examination	10 / 10

ACADEMIC ACHIEVEMENT:

- In JAM 2018, I got 357th rank out of approx. 22,000 students.

- In GATE 2020, I scored 58th rank in my Geophysics paper.

- In GATE 2021, I scored 39th rank in my Geophysics paper.

- I have also qualified APSET exam with a good percentage.

INTERNSHIPS:

A. I have done a summer internship in **CMPDI, Ranchi**, where I learnt:

-electrical resistivity survey and processing

-**Seismic Data Processing (**processing of 2-D seismic data**)**

•Executed all processing steps, Quality check &filter applications for noises attenuation in seismic reflection data.

•Demonstrated signal-to-noise ratio improvement by comparing stack sections of data after key processing steps.

•Improved the visualization of stacked section of the data by application of post processing steps.

- **well logging interpretation regarding coal seam.**

B. Borehole logging:

•At ONGC, Ahmedabad, while coursework training in borehole logging, we were shown various logging devices and their works in open, cased and production borewells.

- While production the general problems encountered and their solution was also shown in producing wells.
- Various real time logging data were shown and interpreted.

- **PROJECT:**

- I worked on my MSc thesis project **- MT data processing**.

- It included 2D MT data processing using Mapros software.

TRAININGS:

Have undergone following trainings in MSc:

Seismic Field Work– At Salua, Kharagpur [December, 2018]

•Performed 2D seismic refraction prospecting over multiple profiles and recorded data using an ABEM machine in SEG-B format.

•Used weight-dropping and hammering on a metal plate as the source and a 12 geophone string as receiver.

Electrical &Magneto-tellurics Field work –At Salua, Kharagpur [December,2018]

•Conducted electrical resistivity survey over multiple 2D profiles along salua.

•Also conducted Magnetotelluric survey to study the electrical behaviour of the same area.

Radiometric Field work: At the bank of Kansabati river (a tributary of ganga river) in West Bengal, radiation counts were recorded using GM counter for studying the adverse effect of illegal sand mining running over there.

Gravity and Magnetic Field work: •Using Proton precession magnetometer and Lacoste Romberg Gravimeter me with my classmates measured Magnetic field value and gravity acceleration value over a wide area in Assam and Meghalaya states in India.

• This was for understanding the tectonics of northeast states in India.

COURSE WORK INFORMATION:

In **+2**, the three main papers were **Maths, Physics and Chemistry**.

In **BSc**, I had **Physics** as Honours paper and **Maths** and **Geology** as subsidiary.

In **MSc**, my subjects were: Seismic Prospecting, Earthquake Seismology, Electrical and EM Methods, Signal Processing, Geophysical inverse Theory, Remote Sensing & GIS, Gravity &Magnetic Methods, Borehole Geophysics, Groundwater &Engineering Geology, Radiometric Methods, Energy Resources, Pattern Recognition, Earth &Planetary System, Tectonic and Geodynamics, Sequence Stratigraphy.

SKILLS AND EXPERTISE:

•**Computer Languages:** C, MATLAB •**Operating System**: Windows

•**Software:** GOOGLE EARTH, ARC GIS, Microsoft office

•**Soft Skill:** leadership & management skill.