



**PRADIPTA SENGUPTA**  
Earth Sciences  
Indian Institute of Technology, Bombay  
Specialization: APPLIED GEOLOGY

**125060017**  
**2 year M.Sc.**  
**Male**  
**DOB: 13/05/1990**

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2012	8.36
Undergraduate Specialization: GEOLOGY				
Graduation	UNIVERSITY OF CALCUTTA	Presidency College	2011	63.38
Intermediate/+2	W.B.C.H.S.E	Purulia Zilla School	2008	78.80
Matriculation	W.B.B.S.E	Purulia Zilla School	2006	83.75

#### ACADEMIC & SCHOLARSTIC ACHIEVEMENT :

- Secured **All India Rank 16 in IIT-Joint Admission for M.Sc. Examination, 2012.**
- First class** in B.Sc. (Geology) with **distinction** in the subsidiary subjects (Physics and Mathematics) from **Presidency College, Kolkata (2011).**

#### INDUSTRIAL TRAINING :

**ONGC, KOLKATA: (18TH – 29TH JUNE' 2012) under the co-ordination of Dr. B. Banerjee, Chief Geologist, MBA basin.**

- Topics covered: An Introduction to Petroleum Exploration:** Migration of Oil, Petroleum Traps and Accumulation, Mechanisms of Basin Formation.
- An Overview of Geophysical Methods and Data Acquisition:** Gravity-Magnetic surveys, Seismic surveys, acquisition of seismic reflection data.
- Well Logging and its Interpretation:** Geological and Geophysical exploration methods, the various types of logs.
- Non-Conventional Petroleum Systems:** Basin Centered Gas, CBM, Shale gas, Gas Hydrate etc.

#### ACADEMIC PROJECTS :

- MSc. Dissertation Project:** (Ongoing)  
**Topic:** "Study of Sirohi Shear Zone, Rajasthan, India."  
**Supervisor:** Dr. T. K. Biswal, Professor, Dept. of Earth Sciences, IIT Bombay.

#### ACADEMIC AREAS OF INTEREST :

Sedimentary Petrology, Palaeontology, Sequence stratigraphy, Structural Geology.

## POSITION OF RESPONSIBILITIES :

- **Organizer in “MOOD INDIGO” 2012 :** Worked on field, in a team of services, to smoothen out the process of distribution, maintenance, and retrieval of the Digital display units throughout the campus.
- **Student Volunteer in ANNUAL PHONATHAN under SARC (Students Alumni Relations Cell)**
- **Coordinator, MILIEU,** the annual cultural fest of **Presidency College,** 2009-10: Prepared the brochure, worked on the field to collect sponsorship all over Kolkata, and actively organized several programs.
- **Field Manager, B.Sc. 2<sup>nd</sup> year Presidency College, Kolkata (2009):** Successfully Handled a budget around 75000 INR. Worked as an interface between 25 students & field guides.
- **School Captain, Purulia Zilla School (2004-2008):** Used to start the assembly, commanding the whole school, announced the notice and represented the school on the district “Republic day” parade and events.

## FIELD WORKS :

- Study of **Fault-Propagation Fold** in and around Kutch, Gujarat (**December 2012**)
- **Detailed mapping and lithological correlation at Raghunathpur in Purulia (W.B) (December 2011):** Study of rock types and interpretation the deformational history of structures.
- **Ore deposits & economic importance of Pb-Zn mine of Rampura-Agucha & Rajpura-Dariba, rock phosphate mine of Jhamarkotra (Jan 2011):** Study of mine structures & features of ore bodies as well as Gossans, mining techniques.
- **Lithostudy, litho-mapping & structural mapping of the areas in and around Pur, Rajasthan (Jan 2010):** Detailed study of lithology & structures, preparation of various geological maps.
- **Reconnaissance study of different rock types & nature of deformation of rocks at lower Siwalik region in & around Kalka (Dec 2008- Jan 09).** Learnt basic field techniques, observing & identifying geological features during field work.

## EXTRA-CURRICULAR ACTIVITIES :

- Joined **NCC** in **IIT Bombay 2012.**
- Participated in "**PRITHVI**"- **2010** organized by **SEG Student Chapter Department of Geology & Geophysics IIT Kharagpur.**
- Participated every year in March Past Programmed held on the occasion of “**Republic Day Celebration**” organized by **OFFICE OF THE DISTRICT MAGISTRATE PURULIA (2002-2007).**
- Participated in **Achievement-cum-Diagnostic Test in Mathematics** organized by, **CENTER FOR PEDAGOGICAL STUDIES IN MATHEMATICS (2003-2004).**
- Worked as a leader and actively participated in all the events (**Dramas, Dances, Singing and Sports etc.**) in **SABPAYECHIR ASAR,** all India children & juvenile organization (Regd. Under Act XXI of 1860) Kolkata. (**2001-2005**)

## OTHER PERSONAL DETAILS :

- **Computer skills:** Programming languages known are C (**APTECH Computer Education**) and C++ (as a credit course in **IIT Bombay** 1st semester).html(as a compulsory subject in 1<sup>st</sup> semester in **Presidency University**)
- Member of **SPWLA, AAPG, SPG, SEG, MGMI, ERS** (**Earth Sciences Association,** Department of Earth Sciences, IIT Bombay).