

**RAKTIM BORPATRAGOHAIN**  
**M.Sc. Petroleum Engineering**

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**Personal Details:**

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Mobile: +91-7045042825

Date-of-Birth: 7<sup>th</sup> November, 1990

Address: B-3, Luv Kush Apartments, Senduri Ali, Zoo Road, Guwahati - 781024

Nationality: Indian

**Academics:**

**M.Sc. Petroleum Engineering**

2013-14

Heriot-Watt University, Edinburgh Campus

Awarded the Scottish Credit And Qualifications Framework (SCQF) level 11 - Master of Science Degree and relevant European Qualification Framework for Higher Education (Second cycle) with 180 credit points for SCQF and 90 credit points for European Credit and Transfer System (ECTS).

**Taught Courses**

Semester 1:- Petroleum Geosciences, Drilling, Reservoir Engineering, Formation Evaluation.

Semester2:- Well test analysis, Reservoir Simulation, Production Technology, Petroleum Economics.

**Field Development Project:** worked as a Production Technologist for Indy Oil responsible for well performance, completion strategy and flow assurance; for development of an offshore oil field based on real North Sea Data set and produced development plans to adhere to UKCS standards.

**Individual Project:** “Wellbore modelling options and their impact on the accuracy and speed of simulation of advanced wells.”

- Comparison of the accuracy and efficiency of an Upscaled well model to discretised models of a horizontal well with inflow control devices (ICD) installed in them.
- Parameters considered for comparison - Effect of flow geometry, arrangement, pressure and rate change.
- Software used in Project- Schlumberger Petrel 2013.

**B.Eng. Petroleum Engineering**

2008-12

Maharashtra Institute of Technology, India

Completed my Bachelor of Engineering in Petroleum Engineering with first class- 62.73%.

Relevant Subjects- Petroleum Geology, Drilling Engineering, Well Engineering, Reservoir Engineering, Well Testing, Natural Gas Engineering, Production Technology, Formation Evaluation, Improved oil recovery and reservoir simulation.

**Individual Project:** “Feasibility study of coil tubing fracturing”

- Literature review of cobra max method of Coil tubing fracturing developed by Halliburton.
- Comparison of pin-point stimulation versus conventional hydraulic fracturing.
- Case study to compare the benefits of cobra max method to conventional CTF for a coal bed methane (CBM) field in Eastern India.

## **Work Experience:**

GDF SUEZ GROUP

2012-13

Position: Graduate Engineer Trainee

- Life cycle engineering consultancy for natural gas clients for efficient project implementation.
- Day-to-Day coordination with engineering team and client for structuring of quality deliverables.
- Creating effective engineering models for sustainability of the project.
- Bid Evaluation of vendors and consultation with clients for their approval.

Cairn Energy, India

June, 2011- July, 2011

Position: Summer Intern

- Part of the reservoir development team engaged in monitoring of wells using production logging for an onshore asset of Cairn India.
- Analysis of the production log report submitted by the services company.
- Detailed project report on 'Production logging as a tool for reservoir monitoring.'
- Improvised the implementation of Interval Control Valves for better well productivity.

Oil India Limited

June, 2010- July, 2010

Position: Summer Trainee

- Exposure to real time drilling and completion operation on an onshore well in Upper Assam.
- hands-on training on the drilling rig with the rig supervisor.
- Study of the early production unit and the mechanism to transport crude oil from the wells.
- Well activation and scrapping of an oil well.

## **SOFTWARE SKILLS:**

Schlumberger- Eclipse, Techlog, Petrel (Well Engineering); Weatherford- Pansystem, Wellflo; MS Office, C++. [Proficient in Wellflo].

## **ACHIEVEMENTS:**

- **Scotland Saltire Scholarship** (UK) – 2013-14 for the MSc Petroleum Engineering program at Heriot-Watt.
- Student paper presentation: **SHELL 'certificate of excellence'** for winning the case study on 'Use of Interval control valves for increasing the productivity of oil wells' in MIT-SPE 2012.
- Hydraulic Fracturing: SPE **'certificate of appreciation'** for winning the case study on 'hydraulic fracturing' in 2011 at Society of Petroleum Engineers summit.
- **Table Tennis:** Assam **State Champion**- 2001; North-east cluster champion- 2006; Runners in National Engineering summit, 2010 (India).

## **RELEVANT COURSES & EXTRA-CURRICULAR:**

- Statement of Accomplishment from Stanford University for successfully passing (88%) the Reservoir Geomechanics course in 2016.
- Interests: Soccer, Table Tennis, Traveling.
- SPE core committee at MIT Pune and in-charge of alumni-student networking.