Girish Joshi

B.TECH THIRD YEAR | DEPARTMENT OF PETROLEUM ENGINEERING

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DOB: 06 June 1996

"Seeking learning opportunities"

Education

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY | RGIPT   *Uttar Pradesh, India*

B.TECH in Petroleum Engineering | CGPA: 9.83/10   *August 2015 − PRESENT*

- **Courses Undertaken** –

  Reservoir Engineering - I, Reservoir Engineering – II, Artificial Lift & Design, Production Operations, Drilling Technology, Unconventional Resources, Formation Evaluation, Petroleum Exploration & Prospecting, Sedimentology & Structural Geology, Geoinformatics, Machine Learning (Online)

DELHI PUBLIC SCHOOL, JODHPUR   *Rajasthan, India*

INTERMEDIATE/+2, CBSE | Aggregate: 92.4%   *July 2013 − July 2014*

MATRICULATION,   CBSE | CGPA: 9.6/10   *July. 2011 − July 2012*

Projects

Injection Induced Seismicity Analysis   *November 2017 - PRESENT*

- Analyzed & assessed the trends to quantify the correlations between injection wells and the recent increase in seismicity observed in the U.S. State of Oklahoma.

Total and Connected Porosity correlations from Percolation Theory   *July 2017 − Oct 2017*

- Performed Monte Carlo simulations on a two-dimensional homogeneous and isotropic rock model to estimate connected porosity for given total porosity.

Smoothening PVT Lab Data using Machine Learning   *February 2017 - April 2017*

- Wrote a python script to smooth pressure and volume data obtained from constant composition test using linear regression.

Experience

Kode Club, Science & Technical Committee, RGIPT   *RGIPT Jais*

CONVENER   *August 2017 - PRESENT*

- Organized *Winter School* on *Digital Transformation in Oil & Gas Industry* with focus on Data Analytics & IoT.
- Completed the design and fabrication of an autonomous quadcopter and currently working on the development of an intelligent fire alarm system.

Oil and Natural Gas Corporation Limited, Ahmedabad Asset   *Gujarat, India*

WINTER INTERN | SUB-SURFACE TEAM & RFS   *December 2017*

- Observed data acquisition operation for Pressure Gradient Surveys & Echometer Studies.
- Gained familiarity with the tools involved, operational steps, data representation, data interpretation & analysis.

SRISTI UNICEF Summer School on Inclusive Innovation   *Gujarat, India*

SUMMER INTERN | INNOVATION FELLOW   *May 2017 − June 2017*

- Developed a low-cost sensor based prototype to ensure optimum depth of tillage operations to get a better yield of crops.
- The project is now continued by Gujarat Grassroots Innovations Augmentation Network (GIAN).

Honours & Awards

RGIPT Academic Excellence Award

2015-2016 | Got a perfect GPA in both semesters of freshman year.   *RGIPT Jais*

RGIPT Scholarship

2015-2017 | Institute's merit-based scholarship given to top 5% students of each batch.   *RGIPT Jais*

IIT-JEE Advanced

2014-2015 | Qualified JEE Advanced 2015 with All India Rank 8990, translates to top 94 percentile.   *India*

Volunteer Experience

International Conference - APCEC *RGIPT Jais*
STUDENT COORDINATOR AND WEB DEVELOPER *November 2016 — March 2017*
- Designed and developed the conference's website.
- Helped perspective conference participants with their queries.
- On the focal day, I with my technical team made sure that the conference runs without any technical failure.

Core Competencies

Programming Languages: Python | C++ | Java
Softwares: MATLAB | IHS Kingdom | Tableau | CMG – Reservoir Simulation (Preliminary) | Microsoft Office
Skills: Data Analysis | Machine Learning | Rapid Prototyping | Data Visualization | Independent Research
Instruments Handled: UV/Vis Spectroscopy | Modular Compact Rheometer | Optical Microscope | Core Flood Apparatus