

Shivam Srivastava

Final Year, RGIPT | Petroleum Engineering Undergraduate |

Male | 14/09/2000

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EDUCATIONAL BACKGROUND

COURSE	INSTITUTE	CPI/CGPA/%	Year
B. Tech in Petroleum Engineering	Rajiv Gandhi Institute of Petroleum Technology	8.60 (upto 6 th semester)	2019-2023
XII, (CBSE)	R.K Mission School, Ballia, Uttar Pradesh	81.6%	2018
X, (ICSE)	Holy Cross School, Ballia, Uttar Pradesh	97%	2016

INTERNSHIPS

Summer Internship | ONGC (Mehsana Asset)

May – July 2022

- Gained hands on experience of working in the biggest onshore oil field of India's largest oil and gas producing company ONGC.
- Prepared a detailed schematic flowchart of Oil and Gas flow across the Mehsana region properly illustrating the pipeline networks and valve locations.
- Analyzed the various aspects of crude oil handling and dehydration process which are incorporated in the production operations.
- Schematically studied the sophisticated machineries in crude handling like heater treater, knockout drum, pre-heater, two and three phase separators, centrifugal pumps, to name a few.

Equity research analyst | Finlatics

August – October 2021

- Studied about the rudimentary essentials of the world of stock markets and numerous domains of finance and economics
- Maintained a live virtual portfolio for a period of 2 months and virtually traded on this simulated virtual stock market.
- Performed sector related research and SWOT analysis of two mid-cap and two large-cap companies.
- Learnt to use the stock charts prominently used in today's advanced stock market scenario.

Summer Intern | PioPetro | SPE Egypt Section and Marietta college

June – September, 2021

Gained knowledge about various specific domains of Geology, Geophysics, and Petroleum Engineering. Grasped insights on hydraulic fracturing, artificial lift methods, enhanced oil recovery method, and pipeline engineering. Also gained hands on experience on various simulation software like petrel, rubix, acrin which are frequently used in reservoir modelling, well interpretation and formation evaluation.

Field trip | Ground water exploration of drought stricken Bundelkhand region

December 2021

Objective of this field trip was to image the subsurface region of Bundelkhand area for groundwater mapping using integrated geophysical methods. This project was aimed at alleviating the nearby community problems of water shortage. We learnt to acquire data using geophysical methods such as ERT, Seismic, Mono-static GPR and Bi-static GPR.

ACHIEVEMENTS & HONOURS

- Qualified for the final round of pan India Business case competition organized by MDI Gurgaon, one of India's leading business colleges. 2021
- Secured rank 2 in intercollege debate competition at annual tech-fest of RGIPT. 2019
- Recipient of **RGIPT Meritorious Scholarship** for consecutive 2 years, awarded to Top 5% students.
- Received second prize in pan India Geophysics quiz organized by IIT Roorkee 2021

PROJECTS

Application of ferromagnetic nanoparticles in drilling fluids

This was a research based project in which the first stage was to synthesize a mesoporous silica nanoparticle (MCM 41) and then do brief characterization of this nanoparticle using various simulation techniques. Subsequently, the particle had to be added in drilling fluid to enhance various rheological properties of drilling fluid and as well as decrease the filtration loss.

Investigation of adsorption of anionic surfactant in EOR applications in presence of graphene nanoparticle

Sodium dodecyl sulphate (an anionic surfactant) when added in EOR applications along with the injection fluid, it gets adsorbed on the surface of the reservoir rocks and this becomes highly uneconomical for greater volume of surfactant addition. To mitigate this phenomenon, a nanoparticle (like graphene) is added which selectively gets adsorbed on the rock surface and thereby preventing the surfactant adsorption by reducing the effective surface area of the adsorbent.

POSITION OF RESPONSIBILITIES

Vice President | SEG RGIPT Student Chapter

May 2022- Present

- Responsible for spearheading the RGIPT branch of SEG (Society of exploration Geologists) , one of the most prominent chapters in the geoscience community around the globe.

Treasurer | SEG RGIPT Student Chapter

July 2021- May 2022

- Aided SEG RGIPT chapter to win the prestigious L. Austin Grant of worth 500 USD.
- Supported the team to win the SEG International Field trip grant of worth 6000 USD.
- Helped the chapter in qualifying for the Imperial Barrel program.

Editorial executive | SEG RGIPT Student Chapter

July 2020- July 2021

Vice President | EAGE RGIPT Student Chapter

May 2022- Present

Editorial head | EAGE RGIPT Student Chapter

July 2021- May 2022

Editorial executive | EAGE RGIPT Student Chapter

July 2020 – July 2021

Teaching Volunteer | Gyan Arpan Social Club, RGIPT

Jan 2019- Dec 2020

- Gyan Arpan is social initiative by RGIPT to provide free of cost education to the underprivileged children of the nearby communities.

SKILLS

- SQL
- Auto-CAD
- Python
- MATLAB | C
- Microsoft tools
- Acrin
- LogView++

CERTIFICATIONS

- **Private equity and venture capital** | SDE Bocconi
- **Introduction to Corporate finance** | ISB
- **Essentials of quantitative analysis** | Wharton online
- **Oil & Gas Industry Operations & Market** | Coursera
- **Essentials of Geophysics** | MIT
- **Geotechnical Earthquake Engineering** | IITB

