

Satyam Sonawane



About Me



May 15, 1998



Mumbai, Maharashtra
(India)



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Petroleum Engineer

To take a challenging role and make significant contributions in the multiple disciplines of Petroleum Engineering including Well Operations, Production, Drilling, Completions, Formation Evaluation, Reservoir Engineering, and Data Analysis.



Education

| Degree | Discipline | Board / University | Year of Passing | Marks (%) CGPA/GPA |
|------------------|-----------------------|---|-----------------|-----------------------|
| B. Tech | Petroleum Engineering | Presidency University, Bengaluru | 2020 | 7.76 / 9.0 |
| 12 th | Higher Secondary | Maharashtra State Board of Secondary and Higher Secondary Education, Pune | 2016 | 50.60% / 5.32 |
| 10 th | High school | Maharashtra State Board of Secondary and Higher Secondary Education, Pune | 2014 | 79.80% / 8.48 |



Project/Internship/Experience

- **Internship: Oil and Natural Gas Corporation, Tripura Asset** (February 2020 - May 2020)

Generation of synthetic well log data using data analytics tools and analysis of Geomechanical properties of the Reservoir using Drillworks Predict software for Agartala Dome structure in Assam & Assam Arakan Fold Belt, India

Generated two models namely, ANN using MATLAB and Machine Learning using Python. These models were used to synthesize log data using previously recorded log data available with a regression value of more than 90%. Pore pressure and Geostress analysis was carried out using Drillworks Predict (Landmark Halliburton). Work showed that we can reduce a large number of resources, many stability-related problems, and sources of non-productive time (NPT).

- **Project: Corrosion Protection of N80 Steel in Hydrochloric Acid Medium.**
Presidency University, Bengaluru (November 2019 - January 2020)

Laboratory experiments was carried out to study the corrosion of production casing due to a well acidizing job. It was found that corrosion was prevented in the case of tubing and casing, which are coated by the chemical formulation made in laboratory.

- **Internship: Oil and Natural Gas Corporation, Tripura Asset** (June 2019 - July 2019)
Wellsite Operational Techniques and Pore Pressure prediction using Petro-physical properties.

Training on a drilling rig for some days to understand wellsite operational techniques as a summer intern. Analyzed pore pressure profile for the Assam & Assam Arakan Basin.

- **Internship: MSK Industries Pvt. Ltd, Chennai** (May 2018 - July 2018)
Learned to Identify and define the common or unique business terminology used at the worksite and analyzed the customer service practices and attitude in the organizational culture.



Achievements/Workshops

- Completed the **IWCF Level 1 program**.
- **1st Prize Winner in Poster Presentation** in 1st Inter-Collegiate Technical Fest, "EQUI2P 2019" in Presidency University, Bengaluru on 15th February 2019
- Completed e-learning course on **"Natural Gas" Offered by the University of Buffalo**
- Completed online internship on **"Drilling and Well Control"** at an institution accredited by the **International Association of Drilling Contractors (IADC)**.
- Attended program on **"Hazard Assessment Process"** by ABCS safety Training.
- Completed an online internship on **"Rig Safety Orientation"** at an institution accredited by the **International Association of Drilling Contractors (IADC)**.
- **Head of Public Relations of American Association of Petroleum Geologists** Presidency University Students Chapter during the academic year 2019-2020.



Skills

- | | |
|---|---|
| ➤ AutoCAD | ➤ Zeta Log Software |
| ➤ Landmark Drillworks Predict | ➤ CMG Software |
| ➤ MATLAB | ➤ Python / c++ |
| ➤ Artificial NeuralNetwork | ➤ Knowledge in real-time monitoringrig data |
| ➤ MS Office applications (Intermediate) | ➤ Big data analysis |



Languages

- | | |
|-------------------|-------------------|
| • English (R/W/S) | • Marathi (R/W/S) |
| • Hindi (R/W/S) | |



Personal Details

Father Name: Dhananjay Sonawane
Marital Status: Unmarried
Nationality: India

Passport No: P4836915
Gender: Male

Declaration

I, Satyam Sonawane, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

1-09-2020
Mumbai

(Satyam Sonawane)