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|  | VINAY KUMAR

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|  | Mohali, Punjab 160055 |

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|  | +919594283197, +918828343470 |

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|  |  | vinaybimra@yahoo.co. | In, vinaybimra38@gmail.com |  |

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| **Professional Summary** |

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|  | Field Engineer (Directional Drilling) with more than 12 years of past experience in Directional Drilling in Offshore and Onshore.CAREER OBJECTIVE: Grow in Oil and Gas industry along with the company and to achieve & demonstrate excellence in the profession by virtue of dedication, sincerity, enthusiasm and innovation. |

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| **Skills** |

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| * Safety
* Simulation
* Strategy
* Technical support
* Troubleshooting
* Drilling experience
* Quick-learning
 | * Offshore drilling
* Computer skills
* Written Communication
* Analytical skills
* Teamwork
* Software proficiency
* Flexible & Adaptable
* Cultural awareness
* Responsible
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| **Work History** |

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|  | DIRECTIONAL DRILLER **M/s Baker Hughes Saudi Arabia Co.** *10/2023 to Present** Leading and providing supervision for the directional drilling operation at the well site that ensures the desired directional path and drilling targets are achieved in a safe and economic manner.
* Drilled horizontal wells and built curves, landing in pre-determined target zone using Well Architect software and ensure well path is safely separated from other wells.
* Drilled various well profiles ranging from 2D and 3D wells, J type wells, horizontal, extended reach wells and sidetrack plans.
* Drilled multiple wells on single pad, utilizing anti-collision techniques in top sections to do so.
* Maintaining well profile plots and providing customer with directional survey data.
* Contributing strategic inputs in controlling all project activities connected with safe and efficient operations; implementing quality standards for meeting the set targets. Successfully streamlining project objectives and plans.
* Clients worked for – **Saudi Aramco**

Directional Drilling Engineer *08/2019 to 09/2023* **M/s Halliburton Offshore Service Inc | Mumbai, Maharashtra*** Organizing and conducting pre job safety meeting and assessing hazards prior to every job.
* Ensure safety in work areas at all times according to required standards and provide required training to all trainees and assess performance.
* Ensuring rig site inventory meets the program requirements and liaising the drilling supervisor to ensure future requirements are available in good time.
* Experienced in drilling L-profile, J-profile, S-profile & Horizontal wells with SDMM & RSS on Onshore as well as Offshore.
* Providing BHA design and ensure that all recommended BHA designs are suitable with respect to survey program requirements.
* Monitor the drilling parameters and practice to ensure smooth directional control over the well.
* Supervising hole opening, reaming, tripping operations to monitor hole conditions and prevent unintended sidetracking of the well.
* Thoroughly analyzing the selection of Drilling Bit for particular formation and performance expectation as well comparing the bit performance.
* Running Hydraulics simulation, Torque and Drag, BHA Design and using Max BHA software for analysis.
* Maintaining up to date survey calculations and projections and working to maintain the well path within the tolerance as specified in the drilling program.
* Adhere to company policies with respect to conduct of directional drilling and surveying operations.
* Provide definitive well path data when required.
* Use Compass software to provide survey calculations and well path projections to the client representative.
* Troubleshooting of common downhole problems.
* Maintaining records of drilling parameters & BHA performance during drilling to facilitate analysis at well review stage.
* Provide technical support to clients and crew members at the well site.
* Clients worked for - **ONGC Ltd, Cairn Energy, Oil India Ltd.**
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|  | Directional Drilling Engineer *04/2013 to 07/2019* **Jindal Drilling & Industries Ltd | Mumbai, Maharashtra*** Clients worked for - ONGC Ltd, Oil India Ltd
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|  | MWD Field Engineer *08/2011 to 03/2013* **Jindal Drilling & Industries Ltd | Mumbai, Maharashtra*** Ensured proper utilization and maintenance of all surface equipment.
* Maintained and updated all work and tool records.
* Ensured adherence to company policy and safety rules for all performed work.
* Generated and submitted service performance reports for all equipment.
* Ensured that all work was performed in accordance with technical procedures as outlined in quality system manual.
* Ensured integration of all QHSE requirements in work process.
* Gathered and interpreted project data in coordination with geologists and driller
* Clients worked for - **ONGC Ltd, Oil India Ltd**
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| **Education** |

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|  | PG Diploma | Piping Engineering  *2011* **Suvidya Institute Of Technology, Mumbai( Maharashtra, India)**  |

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|  | B.Tech | Mechanical Engineering  *2011* **MIMIT, Malout (Punjab,India)** First Class - with 68.12% aggregate from MIMIT, a College established by Punjab Govt. |

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|  | A.I.S.S.C.E  *06/2007* **Tagore Public School, Kurukshetra(Haryana, India)** A.I.S.S.C.E (XII Class) CBSE - First Class with 72.4% |

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| **Certifications** |

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|  | * Basic Offshore Safety Induction & Emergency Training - [Valid Upto 5th September 2027]
* Fire Fighting Training - [Valid Upto 5th September 2027]
* First Aid Training - [Valid Upto 5th September 2027]
* HUET Training - [Valid Upto 5th September 2027]
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| **Additional Information** |

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|  | * Underwent six weeks training in Oil and Natural Gas Corporation Ltd. (ONGC) as a part of course curriculum of B.Tech.
* Six months internship training with Fiat India Automobiles (P) Ltd., Pune to gain hands on experience in its Power Train Division as a part of course curriculum of B.Tech (Mech.) Degree Course.
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