NABE KONATE

Norman, OK | (678) 557-0683 | konatenabe89@gmail.com

EDUCATION / CERTIFICATIONS

University of Oklahoma (OU) | Norman, OK
Doctorate in Petroleum Engineering | May 2026
Master of Science in Petroleum Engineering | May 2020
Data Science and Analytics Graduate Certificate | May 2020
Bachelor of Science in Petroleum Engineering | Dec 2017
Minor in Mathematics| December 2017
GPA **4.00 / 4.00**

Drilling Simulator Certificate | December 2016
Professional Ethics Training Certificate | February 2018

PROFESSIONAL EXPERIENCE

Advanced Well Engineering Intern | **Helmerich & Payne** | Tulsa, OK| May – Aug 2025
- Conducted BHA pre/post analysis and torque & drag modeling using WellScan to optimize well performance.
- Modeled buckling and vibrations to mitigate operational risks during drilling
- Real-time torque and drag modeling using WellScan
- Drilling dysfunction detection and drilling mechanics analysis
- Developed a roadmap for recommended RPMs to mitigate vibrations during drilling.
- Performed drilling optimization simulations and provided actionable recommendations to clients.
- Collaborated with engineering teams to enhance real-time advisory services and improve drilling.

Field Engineering Intern-5 | **Helmerich & Payne** | Odessa, TX | May – Aug 2024
- Acquired in-depth knowledge of rig operations, ensuring smooth and safe drilling processes.
- Collaborated with teams to maintain rig efficiency, including assisting with pipe displacement systems and chemical mixing
- Assisted in daily rig activities including monitoring mud properties, performing sweep operations, and ensuring compliance with safety standards.
- Demonstrated expertise in well control procedures, emphasizing safety to prevent blowouts.

Data Analyst | **Salt & Light Energy Equipment** | Dallas, TX | March 2021 – June 2023
- Performed data reporting, formatting, cleaning, and analysis of all field data for oil company
- Developed and modified BI dashboards according to customers' recommendations
- Performed predictive analysis for equipment failure, leading to a 20% reduction in fluid end failures
- Improved the field technicians' performance by 10% with the help of KPIs that reduce downtime
- Developed an analytics tool that saved clients more than $ 500,000 in fluid end cost
- Business acumen and ability to perform a cost-benefit analysis for clients

Graduate Research Assistant| **University of Oklahoma** | Norman, OK | August 2023 – Present
- Formulating nanofluids for enhanced geothermal energy applications
- Performing rheological characterization of polymer and nanofluids
- Investigating thermal stability, and flow characteristics of nanofluids
- Investigating solutions for mitigating thermal short-circuits in enhanced geothermal systems
- Fluid flow modeling in ANSYS

TECHNICAL PROFICIENCY

Data: Data analysis | data Visualization| R| Python| SQL
Microsoft Tools: Word | Excel | PowerPoint | PowerApps| Power Automate| PowerBi
Drilling & Engineering: HPHT Equipment Calibration| Drilling Fluid Design| Well Control| WellScan

HONORS

National Champion| DOE Geothermal Collegiate Competition| Fall 2023
MPGE Outstanding Master Students| Spring 2020
SPE Student Paper Contest Winner| Master Division| OU| Spring 2019

INVOLVEMENT

Geothermal Rising, OU Chapter| President
National Society of Collegiate Scholars
Society of Petroleum Engineering
American Association of Drilling Engineers
National Society of Black Engineers