



Gurugram, Haryana, India

# ABHISHAKE YADAV

✉ abhishake.yadav@outlook.com

☎ +91 8708995972

## SUMMARY

Growth-focused thought leader with a nine-year achievement record encompassing all facets of data processing, analytics, and reporting. Committed to continuous innovation, has a verifiable record of conceptualizing and delivering innovative data and analytics solutions that provide organizations with critical business insights and facilitate sustainable business success. Adept at directing cross-functional teams in completing complex projects, delivering impressive results, and exceeding all stakeholder expectations.

## EXPERIENCE

### Senior Geophysicist / Data Scientist

#### Polarcus (Dubai, U.A.E)

2019 - Present

- Acting as a main stakeholder in strategic planning, leveraging analytics to provide insights to key decision-makers, enabling informed planning at a project, operational, and strategic level.
- Defining data and analytics standards and SOPs for the organization while serving as Subject Matter Expert on all data resources. Playing a key role in conceptualizing and implementing the organization's cloud data solution, leading architecture planning alongside the development team.
- Gathering functional requirements from stakeholders throughout the organization to define deliverables and ensure cloud solution delivered proposed benefits.
- Mapping data and assessing business procedures, identifying performance gaps and deficiencies, and developing corrective measures to accelerate improvement.
- Automating key processes, delivering a tangible increase in efficiency.
- Gathering and synthesizing terabyte-sized volumes of historical data, employing a broad range of analytic tools to outline trends and better understand equipment failures, downtime, and revenue impact.
- Creating machine learning algorithms and developing a fault identification system, significantly reducing technical downtime.
- Designing, developing, and deploying a broad range of data analytics web apps, significantly enhancing operational capabilities.
- Pioneering an outlier detection system by utilizing machine learning algorithms, facilitating the identification of anomalous recording sensors with a 90% accuracy rate, simultaneously reducing time to identify faulty sensors by 70%.
- Advocating for and introducing a novel method to transfer data to offshore locations, streamlining communication, and delivering \$200K in savings.

### Geophysicist / Data Scientist

#### Polarcus (Dubai, U.A.E)

2015 - 2019

- Provided complex data analysis support to large-scale clients such as Exxon, BP, and Shell, facilitating multiple international projects with a cumulated value of \$2B+.
- Translated data into actionable intelligence, producing detailed reports for key client stakeholders.
- Architected and introduced novel data cleaning, processing, and modeling workflows, boosting data quality and simplifying analysis.
- Created reliable and scalable data pipeline processes, enabling efficient data ingestion, cleansing, transformation, integration, and validation.
- Coordinated educational workshops and seminars for real-time data QC and fault detection with cross-departmental stakeholders.
- Troubleshoot, serviced, and maintained the on-board data center (400 teraflops, 500 terabytes) while monitoring the cloud environment to identify and resolve performance issues promptly.
- Spearheaded automation solutions, unlocking tangible operational benefits in terms of cost, scalability, availability, and quality.
- Acted as a support resource for the team, training, mentoring, and guiding new hires and junior engineers, reinforcing agile practices.

### Geophysicist

#### ION GX Technology (Houston, Texas)

2012 - 2015

- Designed, implemented, and optimized various data quality control and processing solutions to assess the quality of large data volumes.
- Identified complex patterns and trends, producing visualizations and reporting findings and implications to decision-makers.
- Produced tailored data analysis, processing, quality, and visualization tools depending on individual project particularities.

## EDUCATION & CERTIFICATIONS

### (B.E/Bachelor of Technology) (Biotechnology)

2005 - 2009

BPMN 2.0 Foundation and practitioner (Level 1 and 2), AZ-900

## SKILLS

**Core Areas:** Agile Methodologies, Analytics, Automation, Business Intelligence, Change Management, Data Modeling, Data Warehousing, Deep Learning, Machine Learning, Process Improvement, Project Management, Reporting, Solution Architecture

**Proficient in:** Python, HTML, CSS, JavaScript, REACT, Bash, Dash, Docker, Kubernetes, Tensor-flow, Pandas, GitHub, MS Azure, AWS, GCP, Heroku