

# DEEPAK KRISHNAMURTHY

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## SUMMARY

Analytics leader with proven track record in handling multiple projects from initiation to commercialization. Extensive experience in product lifecycle management and using a data driven approach for managing KPIs and executing reliability strategies. Experienced and certified (PMP certification) in Project Management. Technical Blogger on Data Science and Automation–[deepak-krish.medium.com](https://deepak-krish.medium.com)

## SKILLS & COMPETENCIES

Python, SQL, C, C++, C#, Visio, Knime, PowerBI, Microsoft Office, Azure Fundamentals, NLP, Machine learning, Numpy, Pandas, Project Management, Six Sigma Principles, Reliability-Centered-Maintenance (RCM), Quality Management, FMEA, Validation & Verification processes, design for X (DFX/DFM)

## EDUCATIONAL QUALIFICATION

### UNIVERSITY OF CALIFORNIA AT BERKELEY (2021-2023)

- Masters - Information & Data Science - Online
- Expected Graduation in May 2023

### UNIVERSITY AT BUFFALO (SUNY) (2009-2011)

- Masters - Electrical Engineering
- GPA – 3.73 on a scale of 4

### AMRITA VISHWA VIDYAPEETHAM, INDIA (2005-2009)

- Bachelors - Electrical and Electronics Engineering
- GPA – 8.93 on a scale of 10
- **Achievement:** Erasmus Scholarship Recipient → Exchange Program at Malardalen University, Sweden

## PROFESSIONAL EXPERIENCE

### SCHLUMBERGER LTD

#### TLM LEAD RELIABILITY ENGINEER (JAN 2019 - PRESENT) – St. John's, Newfoundland & Labrador

In my current role I oversee Asset Reliability programs in North America Offshore region and Caribbean region. I handle and lead projects on improving the reliability and cost of service delivery of Wireline assets and improving asset utilization and asset availability.

#### Data Analytics Projects

- Developed novel asset-risk model which analyzes asset performance using its historical data and identifies assets at risk of failure
- Developed predictive model using Knime to evaluate motor failure prediction using performance data
- Developed and maintained visualization dashboards using PowerBI for local key performance indicators (KPI)
- Led implementation of data streamlining project at GeoUnit as part of larger data lake project from Product center.

#### Key Achievements

- Developed strategies and executed Annual performance plan for my region with a focus on improving asset reliability (64% YoY in 2020) and reducing cost of ownership and maintenance
- Implemented programs to reduce total cost of ownership of tools per recommendation from product center as well as local audits and findings. This brought in savings to the tune of \$800k in 2019 and 2020.
- Streamlined and developed value-stream-maps for improving common processes such as asset onboarding, asset disposal, failure handling, M&S handling and field repair of electronic boards.
- Audited and implemented programs to improve conformance to maintenance processes through utilization of workorder software and working with stakeholders to fix common issues in software

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- Troubleshoot asset failures and develop remedial actions based on root-cause-analysis by working with stakeholders and product owners.

Experience Highlights: *Data analysis and visualization, project management, failure analysis and investigation, six sigma process control, Reliability centered maintenance.*

## SENIOR ELECTRICAL ENGINEER (MARCH 2014 – JAN 2019) – Sugarland, Texas

A highly engaging role as Senior Electrical Engineer at Schlumberger's R&D center handling project lifecycle management. In this role I led the project sustaining initiatives for multiple product lines by working in a cross functional environment, working with Engineering, Manufacturing, vendors, planning organization and direct field support.

### Key Achievements

- Developed, validated and qualified unique solutions for variable speed drive-based tractors for strenuous downhole conditions
- Analyzed recurrent failure modes of assets and developed troubleshooting guide with recommendations for field implementation
- Led Digital Initiative projects such as AR (augmented reality) based maintenance for downhole tools and developing web-based training packages for process and safety improvement.
- Developed product quality plan and qualified new suppliers through first article inspection testing
- Assessed product obsolescence and qualified component replacement by working with suppliers and components group.
- **Achievement:** Performed by Schlumberger (PBS) Bronze award for 'Leave no core behind' project

Experience highlights: *Failure analysis and investigation, robotics, Product quality and compliance, Technical design, digital projects, project management, field support.*

## WIRES LINE FIELD ENGINEER (AUG 2012 - MARCH 2014) – Roma, Australia

Worked as Wireline Field Engineer at Schlumberger Australia handling cased-hole logging, perforation and reservoir analysis-behind-casing. Key achievements include:

- Gained extensive experience in running wireline tools for reservoir & cement evaluation and plug & perforation operations.

## COIL DRILLING TECHNOLOGIES

## ELECTRONICS AND SOFTWARE ENGINEER (MARCH 2011-JUN 2012) – Mount Pleasant, Michigan

As an Electronics and software engineer at a startup company I gained my first experience in the oil and gas industry. I enjoyed working on projects with quick implementation deadlines. My key achievements include:

- Designed and debugged software using C# for displaying down-hole drilling parameters for coiled tubing drilling

## CERTIFICATIONS

Project Management Professional (PMP) – *Project Management Institute – 2020 – PMP#: 2773228*

Applied Business Analytics – *Executive Program – Massachusetts Institute of Technology (2020)*

CI Practitioner – *Schlumberger Lean (2016)*

Python Programming Essentials – *Coursera (2019)*

Databases and SQL for Data Science with Python – *IBM (2021)*

## OTHER ACTIVITIES

- Member of '**Connect Women**' group at Schlumberger that empowers and develops Women Leaders of tomorrow
- Technical Blogger on Data Science and Automation– [deepak-krish.medium.com](https://deepak-krish.medium.com)
  - Published articles on portfolio management using Python
  - Analysis and classification of text using NLP