UDAYAN GUHA

✉ udayan.s.guha@gmail.com   📱 +91- 9404901558

in   https://www.linkedin.com/in/udayanguha/

GitHub   https://github.com/GuhaUdayan/

A multi-faceted professional accustomed with proven skills; targeting **leadership** roles in
Analytics/ Machine Learning/ Visualization
work streams.

🧠 Profile Summary

❖ **A strategic professional with over 15 years** of experience in **Data Science & Analytics, Data Visualization, Machine Learning, Business Intelligence, Data Engineering, ETL, Software Architecture and Development**

❖ **Expertise in Data Science practice;** analysing problems and uncovering opportunities using predictive analysis; exhibited excellence in developing pipelines to analyse large simulation datasets combining Python, R and other modelling tools

❖ **Talented Analyst with exceptional background in utilizing data** from diverse information systems to build tools and forecasting models that remarkably improve organizational decision-making capabilities

❖ **Project Management skills;** led gamut of projects including defining scope, estimating effort & timeline, developing project roadmap; driving timely project delivery, tracking project progress, highlighting risks and driving mitigation

❖ In depth knowledge of **Data Warehousing, ETL Tools, Data Analytics, Big Data tools of Hadoop, HIVE**

❖ Expert in **Data Analysis with tool Tableau** and **Power Bi for Data Visualization**

❖ Won **2 business proposals** from **Telecom** and **Retail Banking client**, resulting in **$1.2 M** worth of total business

❖ **Key People Leader**, who has successfully led and motivated team towards growth and success in the organization; created a clear & compelling view of future through coaching and execution; groomed the team with technical expertise on various facets as per requirement of the project

❖ **Key Strengths** include Stakeholder Management, Client Relationship, Business Development, Account Strategy and Execution, Delivery Assurance, Talent – Acquisition, Development and Retention, Analytics and Innovation.

❖ Lead by Example: "**Safety- first Mind-set**"

❖ Led projects with multiple stakeholders in matrix organization

❖ Successfully executed projects in domains like **Banking, Finance, Telecom, Insurance, Healthcare** and collaborated with global teams of different geographies

❖ A proficient **Solution Architect** with a flair for adapting quickly to dynamic business environments and adopting pragmatic approach in improvising on solutions and resolving complex business issues

❖ Expertise in **identifying & developing innovative and out-of-the-box analytical solutions** using suitable **machine learning algorithms and statistical methods** to achieve actionable insights optimize business decisions

🎓 Academic Details

❖ **PG Diploma (Business Data Analytics)** from Illinois Institute of Technology & Great Lakes Institute, Pune in 2017

❖ **B.E. (Computer Science and Engineering)** from Pt. Ravi Shankar Shukla University, Raipur in 2004

📊 Key Skills

Data Science & Analytics

Machine Learning

Data Platform and Engineering

Data Visualization & Story Telling

Big Data & Cloud Computing

SDLC & Agile Methodologies

Statistical Modelling

Client Relationship Management

DevOps & CI/ CD

Team Building & Leadership

Business Intelligence

Business Consulting

💼 Domain Expertise
❖ **Financial Services**
❖ **Telecom**
❖ **Healthcare**
❖ **Insurance**

💼 IT Skills
❖ **Machine Learning**
❖ **Visualization - Tableau , Power BI**
❖ **Cloud – AWS**
❖ **Shell Scripting – UNIX, Python**
❖ **SQL, PL/ SQL, No SQL**
❖ **Big Data**
❖ **Hadoop, Hive**
❖ **Spark, Scala**
❖ **Real Time/ Streaming - Kafka**
❖ **Data Modelling - Erwin**
❖ **ETL – Ab Initio**
❖ **RDMBS – Teradata, Oracle**
❖ **CI/ CD DevOps – Jenkins**

Infosys Technologies Ltd., Pune

Larsen and Toubro InfoTech, Pune

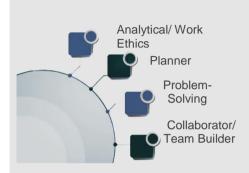**Hoonar Tekwurks Consulting LLP, Pune**

| May'05-Jan'10 | Jan'10-Mar'12 | May'12-Nov'12 | Jan'13-Jul'16 | Aug'16-Apr'18 | Since May'18 |

Cognizant Technology Solutions, Pune

IBM India Pvt. Ltd., Pune

Cotiviti India Pvt. Ltd., Pune

💼 Soft Skills

Analytical/ Work Ethics

Planner

Problem-Solving

Collaborator/ Team Builder

🎓 Certification
- Teradata Certified Professional V2R59 (2008- 2009)
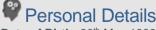- SAFe 4 Agile Practitioner

Academic Projects
- **Customer sentiment analysis for the Indian hospitality industry**
- **EDA on Crime of Rape in India using Python**
- **Time Series on Earthquakes in Indian Subcontinent**
- **Tableau Dashboards – Animated Visualization of growth of India vs China**
- **Tableau Visualization – EU vs SAARC – Life Expectancy and GDP per capita analysis.**

Technical Blog
https://udayan-guha.blogspot.com/

🧠 Personal Details
Date of Birth: 28th May 1983

Languages Known: English, Hindi, Bengali and elementary know-how of German & Spanish

Address: Pune, Maharashtra India

Passport No: R2761777

💼 Work Experience

Since May'18 with Cotiviti India Pvt. Ltd., Pune as Tech Lead

Project: Feature Library
Period: Oct'18-Till Date
Languages: Hadoop, Spark, Scala, Python, Ab Initio, Express IT, R, Hive, Kafka
Tools: Mlflow, CI/CD Jenkins, Git, Tableau, DataRobot, Oozie,
Key Result Areas:
- Spearheading Data Pipeline and Feature Library Engine team which sources data from source Ingestion Layer and executes business rules to create features to be used in machine learning models in department worth **$ 20 M**.
- Worked on strategic roadmap for data pipelines for current and future data sources
- Ab Initio Code transformation to Spark/Scala based framework to create data pipelines for Machine Learning teams, so that data can be used in ML models
- Successful laying of multi node architecture using Cloudera Hadoop for large volume data processing
- Implemented CI/CD pipeline for automated testing using DevOps
- Created NLP based solution to perform prediction of medical diagnosis code based on input data sets
- Processing complex and huge data sets using advanced queries, visualization and analytics.
- Performing additional role of scrum master and handling project delivery in 'Agile framework'
- Participating in Data Preprocessing Techniques in order to make data useful for creating Machine Learning Models; using Math's, Stats and Machine learning to derive key insights for Operations Leaders

Aug'16-Apr'18 with Hoonar Tekwurks Consulting LLP, Pune as Lead Consultant

Project: Credit RISK
Period: Oct'16-Sep'17
Tools: Data Transformation, Ab Initio, Metadata HUB, Teradata, Hadoop, Hive, Cassandra NoSQL, Kibana, JIRA
Key Result Areas:
- Worked as a technical lead and solution designer and design multidimensional data modelling using Erwin. Worked on Master Data Management for data standardization
- Developed end to end architecture of the project along with the laying of infrastructure, design of code and development of generic reusable code **saving 20% resources**.
- Successfully worked on POC of Cloud based solution using AWS.
- Created solution to fine-tune ETL code and implemented performance improvements in ETL code. Fine tuning **saved 18% processing time and resources**.
- Performed pre-sales activities to win projects combined worth **$1.2 M**

💼 Previous Experiences

Jan'13-Jul'16 with IBM India Pvt. Ltd., Pune as Data Specialist
Successfully co-created Data Model using Erwin, worked on Ab initio created MDWP framework using advanced concepts of BRE/ ACE.
May'12-Nov'12 with Larsen and Toubro InfoTech, Pune as Tech Lead
Managed end-to-end Code Delivery using Ab Initio ETL, Hadoop, Hive, Teradata , SQL/PL SQL along with Planning and Estimation
Jan'10-Mar'12 with Cognizant Technology Solutions, Pune as Senior Ab Initio Developer
Developed, test and implemented ETL code using Ab initio, Teradata, Map Reduce Hbase, involving generic functionality
May'05-Jan'10 with Infosys Technologies Ltd., Pune first as a developer. Then, later as an Onsite Coordinator
Developed, test and implemented ETL code using Ab Initio Tool, Oracle, Teradata,etc.