

UDAYAN GUHA

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Key Skills

Data Science & Analytics

Machine Learning

Project Execution & Management

Business Intelligence

SDLC & Agile Methodologies

DevOps/ Big Data/ Cloud computing

Statistical Analysis/ Data Modelling

Client Relationship Management

Business Intelligence

Team Building & Leadership



Certification

Certified SAFe 4 Agile Practitioner

A multi-faceted professional accustomed with proven skills; targeting Sr. Level opportunities in **Data Science/ Business Data Analytics/ Solution Architecture/ Technology Consultant** with an organization of high repute

Location Preference: Pune/ Overseas



Profile Summary

- ❖ **A strategic professional with over 15 years** of experience in **Data Science & Analytics, 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
- ❖ **Project Management skills**; led entire gamut of analytics projects including defining scope, estimating effort & timeline, developing project roadmap; driving timely project delivery, tracking project progress, highlighting risks and driving mitigation
- ❖ **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
- ❖ In depth knowledge of **Data Warehousing, ETL Tools, Data Analytics, Big Data tools of Hadoop, HIVE**
- ❖ Skilled in **Python libraries** such as **Sklearn, Keras, Numpy, Pandas, Matplotlib**.
- ❖ Expert in **Data Analysis with tool Tableau for Data Visualization**
- ❖ Bagged various awards like “**The Most Valuable Player Award**” twice in two successive quarters in Cognizant also received “**Shared Success**” **Awards** from Wachovia Bank for the exceptional contribution in project as Infosys employee
- ❖ Successfully managed projects of various domains like **Banking & Finance, Insurance, Healthcare** and collaborated with global teams of different geographies
- ❖ **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
- ❖ 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
- ❖ **Hands-on expertise in consulting practice** with proven capabilities in capturing As-Is process, preparing functional specifications, business blueprint document, analysing the gaps and implementing solutions
- ❖ **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



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

Career Timeline

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



IT Skills

- ❖ Machine Learning
- ❖ Tableau
- ❖ Python, SQL
- ❖ Business Intelligence
- ❖ ETL – Ab Initio
- ❖ UNIX, Shell Scripting
- ❖ Quantitative Analysis
- ❖ Big Data (Hadoop, Hive, Spark, Scala)
- ❖ Cloud Tech(Google Cloud Platform)
- ❖ Git, DevOps

Academic Projects

- NYC Cab using Ensemble models
- EDA on Crime of Rape in India,
- Time Series on Earthquakes in Indian Subcontinent

Technical Blog

<https://udayan-guha.blogspot.com/>

Tableau Visualizations

<https://public.tableau.com/profile/udayan3654#!/>



Personal Details

Date of Birth: 28th May 1983

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

Address: Building B1, Flat No. 1204, Gera Song of Joy, Kharadi-411014, Pune, India

Passport No: R2761777

Work Experience

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

Project: Feature Library

Period: Oct'18-Till Date

Languages: Spark, Scala, Python, R

Tools: Tableau, DataRobot, Mlflow, Zookeeper, Oozie, Git.

Key Result Areas:

- ❖ Analyzing user needs and requirements for determining feasibility of design within time and cost constraints; consulting with customers/ clients about design and maintenance
- ❖ Implementing Feature Library Engine which takes data from source Ingestion Layer and executing Rules to create features to be used in machine learning models
- ❖ Participating in Data Preprocessing Techniques in order to make data useful for creating Machine Learning Models
- ❖ Successful laying of multi node architecture using Cloudera Hadoop for large volume data processing
- ❖ Implemented CI/CD pipeline for automated testing using DevOps
- ❖ Worked upon the Gitlab to handle the code and project lifecycle
- ❖ Performing the role of scrum master and handling project delivery in 'Agile framework'
- ❖ Designing framework in MLFlow for processing Machine Learning jobs
- ❖ Worked on the existing Scala code to improve its performance by modularizing it
- ❖ Processing complex and huge data sets using advanced queries, visualization and analytics.
- ❖ 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 Barclays Bureau

Period: Oct'16-Sep'17

Tools: Data Transformation, SAS, ETL Ab Initio, Hadoop, Teradata, Google Cloud, Cassandra NoSQL, Jenkins

Key Result Areas:

- ❖ Developed end to end architecture of the project along with the laying of infrastructure, design of code and development of generic reusable code.
- ❖ Worked on POC using Google Cloud and Cassandra NoSQL
- ❖ Implemented solution for continuous integration and continuous deployment.
- ❖ Performed Sales pitch for an Australian Bank

Previous Experiences

Jan'13-Jul'16 with IBM India Pvt. Ltd., Pune as Project Lead/ Architect

Spearheaded a team of 14 developers from offshore for development of ETL solution using Abinitio MDWP to create a Central Data Warehouse

May'12-Nov'12 with Larsen and Toubro InfoTech, Pune as Tech Lead

Managed end-to-end Code Delivery using Ab Initio ETL 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 Tool involving generic functionality

May'05-Jan'10 with Infosys Technologies Ltd., Pune first as a developer. Then, later as an Onsite Coordinator