



JAVED ANWAR

| Data Science, Data Engineering, Machine Learning |
Location Preference: Bengaluru, Hyderabad

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Executive Profile

- A result-oriented professional **offering nearly 7 years of diverse experience in requirement analysis, client interaction, coding, development, testing and post production support**
- **Leading the effort at offshore to create the data lake** which will serve as **playground for data scientist** that will help with the identification of opportunities to apply knowledge of deep learning technologies to develop prototypes and analytic models to challenges with new and existing clients through the application of new, innovative capabilities
- Created a **culture of innovation and continuous** process improvement, drove expanded system capability and leading-edge solutions development using the concepts of **Data Science, AI, Machine Learning**
- **Enhanced data collection procedures** to include information that is relevant for building analytic systems along with processing, cleansing and verifying the integrity of data used for analysis
- Insightful **knowledge of data collection, analysis and feature engineering**; writing production code; integrating data storage solutions
- Gained **adequate mathematical understanding and knowledge of statistics & optimization methods to solve Machine Learning problems** such as Linear Regression, Logistic regression, Classification, Neural Networks, Reinforcement Learning
- Expertise in Predictive Modelling, Decision Tree, Support Vector Machine, Random Forest, Clustering, Natural Language Processing, Computer Vision, Sentiment Analysis, Credit Risk and Fraud Risk Analysis
- Currently **engaged with Humara Bachpan Trust** in setting Office 365 Non-profit E3 Infrastructure and so on; managing and implementing various IT solutions and tools for operation of the trust
- **Successfully identified loopholes in websites of multiple government organizations** such as Department of Higher Education, Government of Odisha, Utkal University and Odisha Staff Selection Commission; suggested remedies to resolve issues

Technical Skills

- **Methodology:** Agile Software Development
- **Scripting Language:** UNIX Shell Script
- **ETL Tools:** Ab Initio
- **Job Monitoring:** Control-M, Tivoli, Autosys
- **Tools & Utilities:** SQL Assistant, Putty, Notepad++, WinSCP, SVN
- **Cutting Edge Technology:** Hadoop, HDFS, Hive, GitHub, Spark, Python, Scala, PySpark, Core Java
- **Database:** Teradata, Oracle, MS SQL
- **Operating System:** Unix, Windows
- **Office Package:** MS Office 2013
- **Others:** HTML, JavaScript, PHP, Web Hosting, AWS, Pandas, Numpy, sklearn, NLTK, Request

Career Timeline



Key Impact Areas

- Data Science & Analysis
- Data Engineering
- Machine Learning
- Statistical Analysis/Data Modelling
- Spark/PySpark Development
- Hadoop/Bigdata Development
- Webservices
- AWS
- Ab Initio Development



Soft Skills

Communicator

Innovator

Collaborator

Problem Solver

Planner

Education & Credentials

- **2020**
PG Diploma in Machine Learning & Artificial Intelligence from IIIT, Bengaluru
- **2010-2015**
Integrated Master of Computer Application (MCA), Class of 2015, Utkal University
 - **2015:** Master of Computer Application from Utkal University
 - **2013:** Bachelor of Computer Application from Utkal University

Professional Experience

Aug'17-Present: Accenture Solutions Private Limited, Bengaluru

Growth Path:

Aug'17-May'19

Application Development Senior Analyst



Jun'19-Present

Application Development Team Lead

Key Result Areas:

- Leading innovation through exploration, benchmarking, making recommendations, and implementing big data technologies for platforms; reformulating existing frameworks to optimize their functioning
- Spearheading a team of 4 members; working to implement data migration pipeline for different databases i.e. Teradata, Oracle, MS SQL Server and DB2 to Hadoop; building Hive, Python, Sqoop and Shell Scripts
- Designing and developing scalable ETL packages from the business source systems and the ETL routines in order to populate databases from sources and also to create aggregates
- Developing generic PySpark programs to parse the raw data such as JSON, XML sourced from IBM WebSphere MQ using Ab Initio; populating them to staging tables and storing the refined data in partitioned Hive tables in the Data Lake
- Performing thorough testing and validation in order to support the accuracy of data transformations and data verification used in machine learning models
- Remaining up-to-date with industry standards and technological advancements that improve the quality of outputs
- Ensuring that the architecture supports the requirements of the data scientists, stakeholders and the business
- Working on POC to migrate on-prem applications to AWS. Hands-on experience with EMR, Athena and Glue.

Highlight:

- Received:
 - 'Star Performer Award' for contribution in work in two different quarters
 - 'Extra Mile Award' for contribution in work
- Been instrumental in proposal development for Hadoop Cluster migration and have successfully secured a million-dollar project

Mar'17-Aug'17: IBM India Private Limited, Bengaluru as Senior Technical Service Specialist

Key Result Areas:

- Supervised a team of 4 practitioners working on data migration from Teradata to Hive using Ab Initio natively installed on top of Hadoop Cluster
- Maintained quality of delivery and ensured zero defect delivery without any schedule slippage

Highlights:

- Recognised with 'Manager's Choice Award' for exemplary client servicing
- Migrated over 500 tables from Teradata and DB2 tables to Hive in just 3 months as a POC which paved the way for a contract to migrate 18000 tables from legacy warehouse to the new Data Lake.

Apr'16-Mar'17: Allstate Solutions Private Limited – Bengaluru as IT Consultant

Key Result Areas:

- Worked with technologies like Hadoop, Scala, Hive, SBT, GitHub along with Ab Initio
- Coordinated with QC Analyst and ensured appropriate identifications of conditions; provided technical expertise on execution of applications and supported QC processes

Highlights:

- Received 'Star Performer Award' for extensive contribution in operations

Sept'15-Apr'16: Cognizant Technology Solutions – Bengaluru as Programmer Analyst

Key Result Areas:

- Created and maintained Ab Initio graph for Customer Data Integration Process
- Developed Wrapper Scripts, Ab Initio Graphs with complex XFRs to derive new fields and solve various business requirements
- Used File management commands like m_ls, m_dump, m_cp etc to operate with multi files

Oct'13-Sept'15: Wipro Technologies, Bengaluru as ETL Developer

Key Result Areas:

- Utilized Ab-Initio in developing & implementing ETL processes; read/wrote data using Ab Initio from/to Flat Files, Web Services, Teradata and Hadoop
- Used Ab Initio components such as Join, Rollup, Scan, Reformat, Partition by Key & Sort, Partition by Round Robin, Merge, Dedup Sorted, Web Services, Trash, Generate Data, Redefine Format and developed complex XFRs to derive new fields and solve various business requirements

Devised and deployed well-tuned Ab Initio graphs (Generic and Custom) in UNIX environment

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Social Engagement

Engaged with Humara Bachpan - a national campaign on living conditions for young children in urban poverty

Responsibilities:

- Managing web development projects including Wordpress, PHP, CSS improvements
- Executed Office 365 Nonprofit E3 Infrastructure including Outlook, Lync, Yammer for Humara Bachpan

Academic Achievements

- Identified loop holes in the official website of Department of Higher Education, Government of Odisha which was used for online admission into various courses and distribution of scholarship across Odisha.
Reference: ["DHE Website Not Secure" - The telegraph](#), July 13, 2011
- Developed web-based application software along with 3 young techies of Utkal University which is being used for the university's online admissions, launched from the academic session 2011-12.
Reference: ["E-admission Management System, Utkal University" - The New Indian Express](#), April 1, 2013
- Alerted the Department of Higher Education, Odisha about the loopholes in the online application for 'Medhabruties', a state-level scholarship programme for higher education students.
Reference: ["One-day-old e-Medhabruti Vulnerable to Hacking" - The New Indian Express](#), March 3, 2013
["Scholarship Site Prone to Hacking" - The Times of India](#), Mar 3, 2013
- Pointed out loop holes to secure the official website of Odisha Staff Selection Commission, Government of Odisha which was an e-governance initiative by Government of Odisha.
Reference: ["Security Worry Over Odisha Staff Selection Commission Site" - The Times of India](#), Aug 22, 2013
["Security Alert on OSSC Website" - The telegraph](#), August 22, 2013

Personal Projects

Project Title: Lending Club Case Study

Description: Used exploratory data analysis techniques to understand how consumer attributes and loan attributes influence the tendency of loan applicants and predict whether they will be 'defaulted' or not.

Project Title: Car Price Prediction

Description: Used Linear Regression to identify most important drivers for car prices in the European market. Designed a model with 4 predictor variables achieved a variance prediction of 90%.

Project Title: Telecom Churn Analysis

Description: Categorized churned and non-churned customers based on their behavioural and demographic data using logistic regression. Built a model with 80% accuracy.



Personal Details

Date of Birth: 8th March 1993

Visa – H1B

Languages Known: English, Hindi, Odia and Bhojpuri

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