Dhananjay Kumar

Summary

Working as a Gen AI Strategist/Product Owner/Data Scientist for Ecom, BFSI, SCM domain.

Gen AI/ML/Big Data Consultant/ DWH/Business Intelligence Professional with 10+ years of experience.

Nearly 6 years of experience in People Management activities and hands on Hadoop/Big Data tools.

Top analytical & problem-solving skills combined with excellent communication and interpersonal skills and good Team Player.

Adept at client interaction and leading teams while embracing accountability and delivering high quality results

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Experience Summary

- Certified Data Scientist from IIML (Indian Institute of Management Lucknow).
- Proficient in Generative AI, Retrieval-Augmented Generation (RAG), and Prompt Engineering, with end-to-end implementation of LLMs such as GPT, BERT, LLaMA, Anthropic, MistralAI, and GROQ.
- Experience in Statistical Modeling, Predictive Modeling, Prescriptive Modeling, and Natural Language Processing (NLP).
- Developed and implemented end-to-end ML platforms for global clients, focusing on advanced analytics.
- Skilled in Data Science, Machine Learning, Google Cloud Platform (GCP), BigQuery, Data Lab, and AWS.
- Expertise in Big Data technologies including Hadoop, Spark, Python, Hive, Impala, Sqoop, Flume, YARN, and Pig.
- Collaborated with pre-sales teams to draft RFPs (Request for Proposals) and participated in various bidding processes.
- Led practice development and executed strategic plans aligned with organizational goals and objectives.
- Implemented Machine Learning algorithms using Spark MLlib, Google AutoML, CDAP, OpenRefine, MLflow, and H2O AutoML.
- Designed and executed ETL/DWH/BI architecture plans in coordination with project stakeholders.
- Developed ETL methodologies to support data transformations using Informatica Power Center and Power Exchange.
- Highly skilled in designing, developing, and deploying Data Warehouses and Data Marts.
- Proficient in creating data models, including Conceptual, Logical, and Physical Data Models using the Erwin tool.
- Strong expertise in database design for Transactional (OLTP) and Dimensional (OLAP) databases.
- Deep understanding of healthcare business processes.
- Effective implementation of projects based on the Onsite-Offshore model.

People Management Activities:

- Team Management including work distribution and tracking.
- Performance evaluation and providing feedback to other managers for appraisals.
- Approving time sheets for the team members and managing vacation tracker.
- Active participation in recruitment for the organization across various projects.
- Raising request for charge codes for projects.

Key Projects

Digital Data Science Product / Code Optimization

Client	:	Adidas
Duration	:	Feb. 2022 – Till Date
Environment	:	Big Data Lake (BDP), Databricks, AWS Bedrock, Mlflow
Role	:	AI Scientist
Team Size	:	12

Adidas AG is a German multinational corporation, founded and headquartered in Herzogenaurach, Bavaria, that designs and manufactures shoes, clothing, and accessories. It is the largest sportswear manufacturer in Europe, and the second largest in the world, after Nike.

Responsibilities:

• Leveraged LLMs to automate code optimization and documentation for the Databricks codebase, enhancing efficiency and maintainability.
• Engineered a personalized production recommendation system and automated product descriptions using cutting-edge Gen AI technology.
• Architected the DODS (Digital Outlier Detection System) for robust anomaly detection and advanced product recommendation.
• Designed statistical models and ML algorithms (Isolation Forest) to accurately identify and address system outliers.
• Pioneered a hybrid personalized product recommendation system, integrating multiple recommendation techniques for enhanced accuracy.
• Spearheaded the development and implementation of effective product recommendation strategies, significantly boosting customer engagement, sales, and satisfaction.

Atena Analytics

Client	:	Aetna Inc.
Duration	:	Mar. 2020 – Jan. 2022
Environment	:	AWS, JupyterHub, Mlflow, H20 AutoML
Role	:	Lead Data Scientist
Team Size	:	8

Aetna Inc. is an American managed health care company that sells traditional, and consumer directed health care insurance and related services, such as medical, pharmaceutical, dental, behavioral health, long-term care, and disability plans, primarily through employer-paid (fully or partly) insurance and benefit programs, and through Medicare. Since November 28, 2018, the company has been a subsidiary of CVS Health.

Responsibilities:

• Created solution architect for various analytics use cases and evaluated open-source tools.
• Worked with pre-sales team and created RFP to design ML solution for different stake holders.
• Responsible to develop ML and Data Science platform for Emergency Room Visitor
• Exploratory Data Analysis (EDA) on CVS data, Univariate and Bivariate plot on feature variables.
• Applied Machine learning methodologies for imbalanced data using SMOTE techniques.
• Predictive analytics for ER visit in next month and Quarter and year.
• Created NLP platform for RSS news feed, Topic Modeling (LDA), Stanza (Sandford NLP Group)

CoE Advance Analytics

Client	:	Blume Global
Duration	:	Dec. 2019 – Mar.2020
Environment	:	Google Cloud
Role	:	Data Scientist
Team Size	:	16

Blume Global is committed to an ethical, purpose-driven supply chain ecosystem and creating a more sustainable environment through providing an open, neutral platform across all trading partners to drive asset optimization, predictive visibility, and traceability.

Blume Global committed to an ethical, purpose-driven supply chain that benefits all parties. A purposeful supply chain is optimized, efficient, effective, responsible and employs environmentally sustainable practices. The potential of an orchestrated, collaborative supply chain that addresses environmental and social challenges is profound.

Blume helps optimize moves to reduce carbon emissions, provides visibility and traceability, empowers small businesses and emerging economies, and orchestrates the delivery of goods where they are needed most. This is the Blume Global promise to our customers and partners.

Responsibilities:

• Responsible to develop Data Science platform for Shipment services.
• Created Big Data Platform on Google Cloud to Ingest data from heterogenous sources.
• Developed Data pipeline and road map for Advance Analytics team.
• Meeting with different project stakeholder and review progress on regular interval.
• Active interaction and weekly status meeting with team management.

Vedanta Group

Client	:	Sesa Goa
Duration	:	Jun. 2018 to Dec.2019
Environment	:	Anaconda, Spyder.
Role	:	Data Scientist
Team Size	:	2

Vedanta Resources is globally diversified natural resources company extract and process minerals, oil and gas, engage more than 65,000 employees and contractors, primarily in India, Africa, and Australia. Vedanta group products are sold worldwide. Vedanta are headquartered in London, United Kingdom. Vedanta Resources Plc is the holding company for Vedanta Limited and Kokkola Copper Mines, which in turn have multiple subsidiaries. We are run by a unified board and management.

SESA's Energy Recovery Coke Making Technology is an environment-friendly technology that is characterized by low capital and operating cost, high energy recovery, capable of producing high quality metallurgical coke. This technology is available for license globally in standard modules of 0.3 MTPA with a potential to generate 21 MW of electrical energy. Developed through in-house efforts, SESA holds patents in US, India, Brazil, and Europe for this technology. This patent is a reaffirmation of SESA's commitment to development of innovative and innovative solutions.

Responsibilities:

• Worked as Data scientist to optimize business processes and make machine learning predictive model.
• Created Regression model and non-linear regression model for Coal blend process.
• Created deep learning model to identify CSR (Coal Strength after Reaction) and CRI (Coal Reactive Indexes).
• Meeting with different project stakeholders and providing them update on progress being done.
• Active interaction and daily status meeting with the onshore team to provide progress update and work being done.

Analytics Center of Excellence (ACOE)

Client	:	Bank of Baroda
Duration	:	Oct. 2017 – May 2018
Environment	:	Hortonworks, Data science Workbench, Hive, Hadoop, Spark, Impala
Role	:	Data Scientist/Data Analyst

Team Size   :   8

BOB is one of the largest public sector banks (PSU) in India with a branch network of over 5500+ branches in India and 100+ branches/offices overseas including branches of our subsidiaries, distributed in 25 countries. Bank of Baroda desires for Selection of knowledge partner for Analytics Center of Excellence (ACOE).

Responsibilities:

• Worked as Data scientist and lead senior technical consultant for Big Data.
• Responsible to architect and development enterprise-wide big data lake (BDL) which include setup of data environment including data ingestion across internal and external sources. Initially, Establish Federation Between EDW and BDL
• Created predictive models for NPA, Vintage, Delinquency.
• Meeting with different project stakeholders and providing them update on progress being done.
• Revalidation of estimates and delivery dates as per issues being reported.
• Active interaction and daily status meeting with the onshore team to provide progress update and work being done
• Working on providing solutions to technical issues existing in Informatica Big Data Management as compared to Informatica Power Center edition.
• Onboarding of added resources and raising all necessary requests.

Farmers EDBI Migration Project

Client	:	Zurich Farmers
Duration	:	April 2015 – Sep.2017
Environment	:	Informatica Big Data Management10.1.0, DB2, Hive, Hadoop, Spark
Role	:	Senior Consultant
Team Size	:	13

Asset & Resource Analytics

Client	:	Network Rail
Duration	:	November2014 – March2015
Environment	:	Hortonworks, Sqoop, PIG, Hive, Tableau
Role	:	Senior Consultant
Team Size	:	10

CML Integration

Client	:	Deutsche Bank, Frankfurt
Duration	:	January 2013 – April2014
Environment	:	SAP BW, Power Center Informatica 9.1 Informatica Power Exchange, UNIX
Role	:	ETL Consultant
Team Size	:	4

Reconciliation Business Partner and SPAR

Client	:	Deutsche Bank, Frankfurt
Duration	:	September2011 – December2012
Environment	:	SAP BW, Power Center Informatica 9.1, Informatica Power Exchange, UNIX
Role	:	ETL Consultant
Team Size	:	4

SPAR (DM) Migration

Client	:	Deutsche Bank, Frankfurt
Duration	:	April2011 – December2012

Environment	:	SAP BW, Power Center Informatica 9.1, Informatica Power Exchange, UNIX
Role	:	ETL Consultant Team
Size	:	4

EMPLOYMENT DETAILS

Organization	Designation	Duration	Location
Infosys Limited	Lead Data Scientist	June 2018-Till Date	Bengaluru
Accenture India Pvt. Ltd	Associate Manager	April 2018- June 2018	Mumbai
CSC India Pvt. Ltd.	Senior Consultant	Feb. 2010 – Mar. 2018	Bengaluru
CSC United Kingdom	Senior Consultant	April 2015- April 2016	London
CSC Deutschland Solutions	ETL Consultant	April 2011 – April 2014	Frankfurt
Keane India Ltd. (NTT Data)	Senior Software Engg.	Mar. 2007 - Feb. 2010	Hyderabad
Vista Infotec	Software Engineer	Aug. 2006 to Mar. 2007	Bengaluru

EDUCATION DETAILS

Program	Institution (Board)	Years
EPDS01	Indian Institute of Management (IIML)	2018-2019
MBA-IT	Sikkim Manipal University, Hyderabad	2006-2008
Bachelor of Technology (IT)	Manipal Institute of Technology, MAHE	2001-2005
BSEB	S.U College, Hilsa	1999
BSEB	Ram Babu High School, Hilsa	1997

RECOGNITIONS

• Participated and won various hackathons using innovative GenAI/AI/ML technology.
• Best mentor and Insta Award for outstanding contribution in STG vertical.
• Recognized by leadership multiple times for the zeal to deliver quality work and consistent impressive performance.
• Granted project appreciation award for exemplar performance in Deutsche Bank project.
• Recognized as best technical trainer for Informatica Power center.
• Guided and coached new joiners by sharing business knowledge and experience thus helping them develop technical and professional skills.

PERSONAL DETAILS

Name	:	Dhananjay Kumar
Father's Name	:	Ram Swarup Prasad
Date of Birth	:	20 December 1981
Gender	:	Male
Marital Status	:	Married
Hobbies	:	Listening Music, Watching movies & TV Series.
Permanent Address	:	#144, 18th Main, 6th Block, 3 Cross, Koramangala, Bengaluru-560095