Ashish Singh

As a multilingual analytics professional, I am dedicated to empowering organizations with data-driven insights that drive informed decision-making. With a keen understanding of business requirements and a shrewd analytical mind, I am able to provide valuable insights that help businesses achieve their goals and stay ahead of the competition.

Kanpur, Uttar Pradesh

singh-ashish@live.in

+91 96952 99977

Throughout my career timeline, I always had an aspiration to help today's enterprises & organisations help measuring what truly matters. As a skilled data analyst with a passion for problem-solving and a dedication to organisational growth.

I am committed to pursuing opportunities that allow me to leverage my expertise and enhance my skill set. I am particularly interested in working for a company with a strong cultural presence, where I can gain hands-on experience and contribute to meaningful projects that drive business success.

Throughout my career, I have honed my ability to identify patterns, interpret data, and generate insightful reports that inform strategic decision-making. I am adept at preparing and operating databases and other system structures, and have a proven track record of streamlining processes and aligning plans with operational needs.

With expertise in quantitative analysis and a talent for solving complex problems, I am dedicated to delivering high-quality results that drive company growth and improvements.

I am committed to adapting to the changing needs of the industry and leveraging new technologies and methodologies to achieve personal and organisational goals.

Altogether, My expertise in a range of analytics tools and techniques, combined with my fluency in multiple languages, makes me a valuable asset to any organization seeking to leverage the power of data to drive growth and innovation.

Willing to relocate: Anywhere

Work Experience

Sr. Business Analyst

MKU Limited - Kanpur, Uttar Pradesh

August 2022 to Present

As a Business Analyst at MKU Limited, a defense technology company, my responsibilities have included:

• Analysing and interpreting complex data related to defense technology projects at MKU Limited, encompassing procurement, research, development, and manufacturing processes. Collaborating with cross-functional teams at MKU Limited to gather and analyze requirements for defense systems and technologies, ensuring alignment with organisational objectives and regulatory standards.

• Conducting thorough market research and competitive analysis specific to the defense technology sector at MKU Limited, identifying emerging trends, opportunities, and threats.

• Developing detailed business cases, feasibility studies, and cost-benefit analyses at MKU Limited to support decision-making processes for new defense projects and initiatives. Facilitating communication between technical teams, project managers, and stakeholders at MKU Limited to ensure clear understanding of project requirements, timelines, and deliverables.

• Providing insights and recommendations to senior management at MKU Limited based on data analysis, risk assessment, and market intelligence, contributing to strategic planning and resource allocation.
• Monitoring project performance at MKU Limited, tracking key performance indicators (KPIs), and identifying areas for improvement to optimize efficiency and mitigate risks in defense technology projects.
• Adhering to strict confidentiality and security protocols at MKU Limited to safeguard sensitive information and intellectual property related to defense systems, technologies, and projects.

Data Science, ML, and Business Analytics Trainer
Freelancer.com - Aptech - Kanpur, Uttar Pradesh
September 2022 to July 2023

• As a Data Science, Machine Learning, and Business Analytics Trainer at Freelancer.com, I have successfully trained operations and service engineers of Delhi Metro Rail Corporation (DMRC) in developing a cutting-edge machine learning algorithm to optimize and schedule metro railway operations. Additionally, I have explored innovative crowd controlling algorithms to tackle sudden rush during peak hours.
As a recognized expert in my field, I have also served as a guest lecturer at various prestigious educational institutions across India, including Ramachandran International Institute of Management (RIIM - Pune), Gandhi Institute of Engineering and Technology University (GIETU, Odisha), Symbiosis (Noida - Pune), Galgotias University (Noida), and many more.

Associate Data Scientist
Decodr Technologies - Noida, Uttar Pradesh
March 2022 to July 2022

Following are the skills required to perform my day to day tasks are:
• Programming Skills – knowledge of statistical programming languages like R, Python, and database query languages like SQL, Hive. Familiarity with Scala.
• Statistics – Good application of statistical skills, including knowledge of statistical tests, distributions, regression, maximum likelihood estimators, etc. Proficiency in statistics is essential for data-driven companies.
• Machine Learning – good knowledge of machine learning methods like K-Nearest Neighbors, Naive Bayes, SVM, Decision Forests.

Data Science Trainer
Uncodemy - Noida, Uttar Pradesh
August 2021 to July 2022

• Prepare lessons and materials, leveraging existing uncodemy curriculum content for several hours per week.
• Work alongside the staff and teaching team to best meet the needs and learning styles of your students
• Guide students through development of a stellar final project that will showcase their abilities to hiring managers.
• Facilitate a dynamic and collaborative classroom community.
• Inspire students to persevere through the challenges of learning a new suite of skills

Data Scientist
GvCloud Secure - Noida, Uttar Pradesh
April 2019 to June 2021

Key skills included as a data scientist in my day to day tasks are:

• Programming Skills – knowledge of statistical programming languages like R, Python, and database query languages like SQL, Hive. Familiarity with Scala.
• Statistics – Good application of statistical skills, including knowledge of statistical tests, distributions, regression, maximum likelihood estimators, etc. Proficiency in statistics is essential for data-driven companies.
• Machine Learning – good knowledge of machine learning methods like K-Nearest Neighbours, Naive Bayes, SVM, Decision Forests.
• Strong Math Skills (Multivariable Calculus and Linear Algebra) - understanding the fundamentals of Multivariable Calculus and Linear Algebra is important as they form the basis of a lot of predictive performance or algorithm optimization techniques.
• Data Wrangling – proficiency in handling imperfections in data is an important aspect of a data scientist job description.
• Experience with Data Visualization Tools like matplotlib, ggplot, d3.js., Tableau that help to visually encoded data
• Excellent Communication Skills – it is incredibly important to describe findings to a technical and non-technical audience.
• Hands-on experience with data science tools.
• Problem-solving aptitude.
• Analytical mind and great business senses.

Junior Data Scientist
Solar Secure Solutions - Delhi, Delhi
September 2019 to March 2020

Unit - 2
D 4E Site -1 Panki Industrial Area ,
Kanpur Nagar - 208020
Here, I worked with SCADA (Supervisory Control and Data Acquisition) systems, which allow the user to have full visual control and data accessibility of any medium voltage networked system architecture incorporating remote terminal units (RTUs) and/or protocol capable IEDs.
The Gemini SCADA system is easy to configure and can be tailored to suit any control room operation. Scalable and affordable, the system architecture can be simply upgraded to manage future network expansion.
Technical Details:
• Performed real time data collection, database management and real-time dynamic data display.
• Extrapolated historical collection with real-time and historical trending graphs.
• Managed alarm, event, sequence of event management.
• Provided secure operator supervisory control.
• User-based security & On-line configuration.
• Windows-based solution that can be tailored to suit any control room operation.
• Multiple communications to RTUs, IEDs, PLCs or other I/O devices.
• DNP3, IEC 60870-5-101/104 plus others on request.
• Full OPC server and client support.
• Serial or Ethernet communication channels e.g. radio, GSM or GPRS.

Heat Treatment Operator
Indian Ordinance Factories (IOF). Small Arms Factory - Kanpur, Uttar Pradesh
May 2018 to January 2019

• Productions reports. Preparations and Operations. Adjusted guides and holding devices, reducing errors from potential misalignment or product movement. Used templates and hand tools to adjust machinery including alignment of drills, dies, and cutters. Oversaw machine operation to identify defects or malfunctions, making adjustments as necessary. Measured and inspected finished products for defects, and compared to work instructions for accuracy.

Project Intern
Ei Systems Technologies - Lucknow, Uttar Pradesh
June 2018 to September 2018

Conceptualized and developed relevant Predictive Analytical solutions. . Envisioning opportunistic areas with by demonstrating relevant and credible Predictive Analytics solutions and paradigms. The role may carrying out high level assessment of Analytics readiness and creating the associated analytic benchmarking which may ultimately converge into a specific Predictive Analytics roadmap. Worked with wide variety of data and implicated diverse set or library and created algorithms to extract useful insights.

Research Analyst / Associate
IIT New Office Automation. Indian Institute Of Technology - Kanpur, Uttar Pradesh
April 2018 to September 2018

• Conducted competitive analysis on market offerings, identifying market trends and opportunities. Managed client marketing strategies and product promotion campaigns. Conducted competitive analysis on market offerings, identifying market trends and opportunities. Created SWOT (Time Frame) analysis to evaluate and determine next steps in building a more profitable business. Developed marketing strategies for based on research findings, increasing efficiency by 30%

Summer Trainee
Indian Ordnance Factories, Small Arms Factory - Kanpur, Uttar Pradesh
June 2016 to August 2016

Gained first hand voluntary experience of various Heat Treatment Operations, tempering, smelting, decarburizing and grain structure refinement process in order to get the desired characteristics in the material.

Education

Master's in Data Science & Machine Learning
IIM - Lucknow, Uttar Pradesh
April 2020 to June 2021

Bachelor's in Material Science & Metallurgical Engineering
University Institute Of Engineering & Technology - Kanpur, Uttar Pradesh
March 2012 to 2017

Physics, Chemistry, Mathematics
Board Of Higher Secondary Education - Kanpur, Uttar Pradesh
January 2011 to December 2011

Board Of Secondary Education - Kanpur, Uttar Pradesh
January 2009 to December 2009

Skills / IT Skills

- Advanced Surveying
- Data Interpretation
- Advance Structural Analysis
- Data Warehousing
- Statistical Analysis
- RStudio
- Python
- Jupyter NoteBooks
- Data Analytics
- English
- Data Visualization
- Predictive Modeling
- Microsoft Office
- Advanced Engineering Mathematics
- SQL Server
- Fluent
- Forecasting Ability
- Scala
- Analytical Decision Modelling
- SQL
- Tableau
- MySQL
- Power BI
- Business analysis
- Microsoft Excel
- Analysis skills
- Communication skills

Languages

- English - Fluent
- Hindi - Fluent

Online Profile

https://ashish-singh-datascientist-dataanalyst.github.io/#

https://linkedin.com/in/ashishsinghchauhan

Additional Information

Career Highlights:
• Collaborated with clients and Oracle Support team to efficiently resolve custom and standard bugs/issues.
• Organized and managed large datasets using advanced querying and reporting techniques.
• Developed optimized queries for data extraction, leading to the creation of multiple reports and forms.
• Facilitated Change Requests (CR) from clients and provided User Training Acceptance documents as per their requirements.
• Permanently resolved repetitive system issues and enhanced query performance through Performance Tuning.
Areas of Expertise & Technical Skills:
• Proficient in Data Science areas such as Data Mining, Data Visualisation, Data Analysis, and Performance Tuning.
• Skilled in various tools and languages including Python, SQL, R, Scala, Azure Data Studio, R-Studio, Visual Studio Code, Anaconda Navigator, and Tableau.
• Experienced in using presentation tools like MS Excel (Advanced), PowerPoint, and MS Office.
• Familiar with Big Data tools such as Hadoop, Apache Spark, Apache Kafka, and Rabbit MQ.
• Expertise in Relational & Non-Relational SQL and No-SQL databases, including PostgreSQL and Cassandra.
• Knowledgeable in Data Pipeline Architecture and Workflow Management Tools like Azkaban, Luigi, and Airflow.
• Proficient in AWS Cloud Services (EC2, EMR, RDS, Redshift) and Azure Cloud Services (VM, HDInsights, SQL Server, Data warehouse, Application Insights).
Experienced in Stream-Processing Systems such as Scala, Apache Storm-Streaming, and Apache Spark-Streaming.Previously, in my Deputy Manager role, I exercised a calculated and methodical approach to problem solving. I am independently motivated, yet I appreciate team efforts and collaborate productively within groups. Additionally, I am knowledgeable in industry and company analysis and business analysis with proficiency in data collection & analysis. .