# AMITOSH KUMAR

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A result-oriented individual with **nearly 4 years** of experience; targeting assignments in **Data Science/Data Analytics** with focus on accomplishing organizational goals & objectives within **any relevant industry**

## 👤 PROFILE SUMMARY

- **Resourceful in managing projects** from conceptualization, visualization to technology mapping and final execution of projects
- **Pivotal role in defining Data Analytics Roadmap** & establishing Analytics CoEs / KPOs for the clients
- **Expertise in mapping clients' business requirements** & translating these requirements into functional specifications, custom designing solutions (process / product)
- **Hands-on experience in advanced analytical practices** such as predictive analysis, attribution modelling and customer profiling
- **Drove Analytics solutions** covering clients from various Industries such as Telecommunications, Banking/Financial service for different Divisions using AI & ML techniques
- **Strong background in business process analysis**, data modeling and ability to proactively identify and manage mapping of requirements to business processes and the underlying data
- **Communicated data findings to key stakeholders** to help the organization meet business challenges
- **Evolved innovative business solutions** to improve revenue, quality and product performance and reduce cost by leveraging combination of domain knowledge, Data Science & Data Engineering skills
- **Data-driven individual** with an expertise in handling strategy consulting projects and leading product technically
- **Developed predictive models and machine learning algorithms**
- **Excellent People Manager** with skills to motivate and engage seamlessly with people across levels to deliver result

## 📊 CORE COMPETENCIES

| | |
|---|---|
| Data Science | Data Analytics |
| Process Excellence | Client Engagement |
| Business Intelligence | Machine learning |
| Analytical Report Writing/ Story Telling | Technical Documentation |
| Team Management | Data Visualization |

## 💻 IT SKILLS

- ❖ Python
- ❖ Linux
- ❖ Statistics
- ❖ Tableau
- ❖ Jupyter Notebook
- ❖ Anaconda
- ❖ Oracle
- ❖ Jira
- ❖ SQL
- ❖ RDBMS
- ❖ Power BI
- ❖ Grafana
- ❖ Splunk
- ❖ MS Excel, MS PowerPoint, MS Word
- ❖ Bitbucket/Github
- ❖ Cloud Services (AWS, Google Cloud)

## 🗂 SOFT SKILLS

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|---|---|---|---|---|---|
| Communicator | Collaborator | Problem-Solving | Decision-Making | Effective Management Skills | Team Management/ Leadership |

# 💼 WORK EXPERIENCE

**Jun'21-Present with Accenture Solutions Private Limited, Gurugram, India**

**accenture**

**Growth Path:**

| Aug'19-Jun'21 | Application Development Associate |
|---|---|
| Jun'21-Present | Application Development Analyst |

**As Application Development Analyst**

**Project: Bharti Airtel Limited (Telecommunication)**
**Key Result Areas:**
- ❖ Working on various Data Analytics tools like Grafana, Splunk, Power BI and Tableau
- ❖ Working on their integration into a production environment as well as monitoring, managing and analyzing a large volume of data gathered from various sources
- ❖ Performing analytical interpretation of highly specialized technical and analytical information used to compose detailed documentation and reports
- ❖ Managing data/backend servers and messaging queues distributed across various domains; consumed by multiple business services. The entire system is based around an enterprise service bus which implements communication between mutually interacting software applications in a service-oriented architecture
- ❖ Managing and delivered projects with Agile, Waterfall and Hybrid Methodology
- ❖ Analyzing statistical data; importing data from multiple sources, joining datasets, cleaning & preprocessing, data wrangling and visualizations
- ❖ Identifying and implementing statistical models including linear models, multivariate analysis, stochastic models, sampling, optimization and time series analysis
- ❖ Constructing data sets by understanding the purpose of the data and the story it is going to tell. Manipulating data to fit the requirements of the analysis
- ❖ Querying data from various database and creating data sets that can then be analyzed to provide key insights
- ❖ Ensuring compliance with coding standards and internal practices
- ❖ Diagnosing bugs and data flow issues - reviewing old code to ensure that data is flowing correctly and fixing when they arise
- ❖ Collaborating with multi-disciplinary teams to understand business requirements for the products and projects

**Highlights:**
- ❖ Promoted within 12 months of joining the project due to strong performance, organizational impact and multi-tasking ability to deliver my work with perfection
- ❖ Collaborated cross-functionally and implemented analytics and visualization components for device data analysis platform to predict hardware
- ❖ Assisted majorly in the optimization of factors for conversions like reducing client existing service failure percentile by upto 30% using data analytics and data visualization tools and performing a systematic upgradation from the key insights produced.
- ❖ Coordinated for implementation of Splunk, a Data Visualization tool specialized in monitoring and searching through big data and deriving key insights from data.

**As Application Development Associate**
**Key Result Areas:**
- ❖ Built Python Scripts to run on a distributed network of Linux machines deployed on the cloud as well as Virtual Machines
- ❖ Monitored various data gathered through various sources and prepared a visual report on the basis of various requirements on visualization tools such as Tableau, Splunk & Grafana
- ❖ Good Exposure to Linux Shell Scripting and managed various machines running on Linux backend/OS
- ❖ Worked in MS SQL SERVER and Oracle Databases
- ❖ Expertise knowledge in PL/SQL, Stored Procedures, Triggers and relational Database with SQL
- ❖ Exposure to Software Development Life Cycle (SDLC) involving requirement gathering, feasibility study and recommendation, costing, solution design, solution development, training, testing and solution deployment within a specified timeline and budget
- ❖ Worked on tools to analyze bugs and fix defects such as Elastic, Kibana.

# 💼 INTERNSHIP

**May'18-Jun'18 with Clean Air Industries, Gurugram, India as Data Science Intern**
**Key Result Areas:**
- ❖ Prepared reports that interpret consumer behavior, market opportunities and conditions, marketing results and trends
- ❖ Collected and analyzed data on established and prospective customers and sources
- ❖ Identified and analyzed new and potential products, markets and advertising opportunities

# 🎓 EDUCATION

- ❖ 2019: B. Tech in Computer Science Engineering from Amity University (7.25 GPA)
- ❖ 2014: Higher Secondary-Class XII (CBSE) from Apex Public School, Delhi (91%)
- ❖ 2012: Secondary-Class X from Apex Public School, Delhi (CGPA:9.4)

# CERTIFICATES

- ❖ The Data Science Course 2020 - Complete Data Science Bootcamp
- ❖ Python for Data Science and Machine Learning
- ❖ Complete Python Bootcamp

# PERSONAL PROJECTS

- ❖ **Study and Simulation of Quantum Key Distribution Protocol (2019)**

   **Description:** A Project on how all traditional cryptographic algorithms used in the network communication use mathematical models and computational assumption that are vulnerable to high computational power that is given by Quantum Computers. The existing ciphers will be easy to break. Therefore, there is a need to develop the ciphers that can withstand the computational power of Quantum Computers and secure the information

   **Result:** Quantum Key Distribution Protocols that can withstand the computational power of Quantum Computers provides security using Quantum Mechanical Systems. Cipher should also use Quantum Physics principle where Quantum Cryptography comes into play. This project discusses and implements the mechanism involved in Quantum Cryptography and explains how Quantum mechanics is used in order to achieve an encryption/decryption process. We systematically implemented the underlying concepts and algorithms of quantum cryptography to create a secure channel of communication that could withstand the high computational power of Quantum Computers

- ❖ **Recognizing Human Behaviour using Artificial Intelligence (2018)**

   **Description:** A project to discuss and underlines that Human behavior understanding is a complex and very difficult problem, which is still far from being solved in a way suitable for anticipatory interfaces and human computing application domain because of the existing Computer-centered designs for Human Computer Interaction(HCI).

   **Result:** Human computer Interaction (HCI) designs were first dominated by direct manipulation and then delegation. Both styles of interaction involve usually the conventional interface devices like keyboard, mouse, and visual displays, and assume that the human will be explicit, unambiguous and fully attentive while controlling information and command flow. This kind of interfacing and categorical computing works well for context-independent tasks like making plane reservations and buying and selling stocks but it is utterly inappropriate for interacting with each of the (possibly hundreds) computer systems diffused throughout future smart environments and aimed at improving the quality of life by anticipating the user's needs. Clearly, "business as usual" will not work in this case. We must approach HCI in a different way, moving away from computer-centered designs toward human-centered designs for HCI, made for humans based on models of human behavior

- ❖ **Learning Big Data and Hadoop (2016)**

   **Description:** A project to understand New Data Engineering Technology like Hadoop File System to manage largely expanding data

   **Result:** Composed & delivered research paper on how Traditional Database Management System is ineffective with largely expanding data/Big Data and how new Data engineering technologies like Hadoop File System are better at managing Big Data

# PERSONAL DETAILS

**Date of Birth:** 12th October 1995
**Address:** Delhi, India
**Languages Known:** English, Hindi & German