



DILIP KUMAR

A **Data Science and Machine Learning** engineer passionate about cutting-edge technology and solving real-world problem with previous experience in technical field, leading a team and developing new module executing full life-cycle till development of projects.

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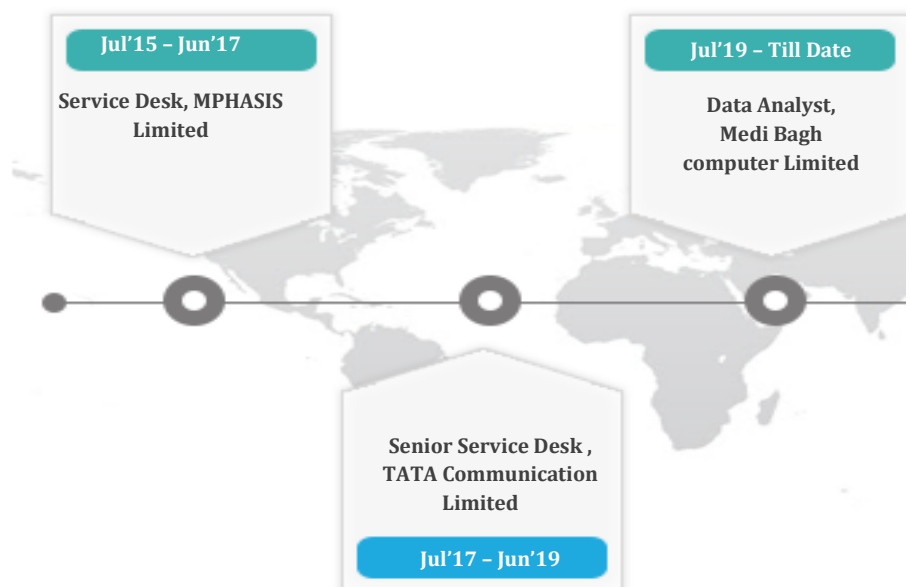
Skill Summary

- **Achievement-driven professional** with an experience of **nearly 5.5 years**
- Experience in **Machine Learning with Python**.
- Skilled in libraries such as **Pytorch Keras, Tensorflow, Sklearn, Numpy, Pandas, Matplotlib, Tableau for Data Visualization**
- Extensive knowledge of working with **No-SQL databases like MongoDB** and **SQL databases like MySQL**.
- Also **Deployment of Models using Docker and Kubernetes In AWS cloud, Google cloud and Azure**.
- Expertise in manipulating and analyzing complex, high-volume, high-dimensional data from varying data sources and big data sources

Core Competencies

Data Science	★★★★★
Machine Learning	★★★★★
NLP	★★★★★
Predictive Modelling	★★★★★
Quantitative Analysis	★★★★★
Training & Development	★★★★★
DataBase MY Sql and MongoDB	★★★★★
Business Analytics with Tableau	★★★★★

Career Timeline



Employment Scan

Internship of 6 month in Company Flip Robo.

Functional Responsibilities

- Involved in Data Preprocessing Techniques for making the data useful for creating Machine Learning models
- Owned and executed end to end multiple data science projects
- Translate product requirements into analytical requirements/specification, design and develop required functionality.
- Leveraged technology to automate daily operational activities.
- Lead and mentor a team of students in my final year.
- Involved in creating various regression and classification algorithms by using various sklearn libraries such as Linear Regression, Decision Trees, Naïve Bayes
- Involved in creating Machine Learning models for test A/B content which is useful for making better decisions regarding the products
- Involved in designing the neural networks using Tensorflow for various internal projects within the company such as automated chatbots using NLP

Work Experience

MBC: Data Analyst, Delhi

Jul 2019-Till Date

Key Result Areas:

- Working closely with business and engineering teams to encourage statistical best practices with respect to experimental design, data capture and data analysis
- Participating in Data Preprocessing Techniques in order to make data useful for creating Machine Learning Models
- Building various regression and classification algorithms by using various Sklearn libraries such as Linear Regression, Decision Trees, Ensemble techniques and Naïve Bayes
- Drafting Machine Learning Models for test A/B content for clear decisions related to the products
- Interpret data, analyze results using statistical techniques and provide ongoing reports
- Develop and implement databases, data collection systems, data analytics and other strategies that optimize statistical efficiency and quality
- Acquire data from primary or secondary data sources and maintain databases/data systems
- Identify, analyze, and interpret trends or patterns in complex data sets
- Filter and “clean” data by reviewing computer reports, printouts, and performance indicators to locate and correct code problems
- Work with management to prioritize business and information needs
- Locate and define new process improvement opportunities
- Using automated tools to extract data from primary and secondary sources
- Removing corrupted data and fixing coding errors and related problems
- Developing and maintaining databases, data systems – reorganizing data in a readable format
- Performing analysis to assess quality and meaning of data
- Filter Data by reviewing reports and performance indicators to identify and correct code problems
- Using statistical tools to identify, analyze, and interpret patterns and trends in complex data sets that could be helpful for the diagnosis and prediction
- Assigning numerical value to essential business functions so that business performance can be assessed and compared over periods of time.
- Analyzing local, national, and global trends that impact both the organization and the industry
- Preparing reports for the management stating trends, patterns, and predictions using relevant data
- Working with programmers, engineers, and management heads to identify process improvement opportunities, propose system modifications, and devise data governance strategies.
- Preparing final analysis reports for the stakeholders to understand the data-analysis steps, enabling them to take important decisions based on various facts and trends.

TCL : Senior Service Desk Analyst, Pune

Jul 2017 - June 2019

Key Result Areas:

- Determine operational objectives by studying business functions; gathering information; evaluating output requirements and formats
- Construct workflow charts and diagrams; studying system capabilities; writing specifications
- Improve systems by studying current practices; designing modifications
- Recommend controls by identifying problems; writing improved procedures
- Define project requirements by identifying project milestones, phases and elements; forming project team; establishing project budget
- Monitor project progress by tracking activity; resolving problems; publishing progress reports; recommending actions
- Maintain user confidence and protect operations by keeping information confidential
- Prepare technical reports by collecting, analyzing and summarizing information and trends
- Contribute to team effort by accomplishing related results as needed
- Validate resource requirements and develop cost estimate models
- Conduct and coordinate financial, product, market, operational and related research to support strategic and business planning within the various departments and programs of the client group
- Interpret, evaluate and interrelate research data and develop integrated business analyses and projections for incorporation into strategic decision-making
- Plan and coordinate the development of primary and secondary market research studies in support of strategic planning and specific marketing initiatives, as required and presents findings of studies to client committees

- Perform daily, weekly and monthly reviews and analyses of current processes using operational metrics and reports
- Review a variety of areas including operations, purchasing, inventory, distribution and facilities
- Understand and communicate the financial and operational impact of any changes
- Suggest changes to senior management using analytics to support your recommendations. Actively participate in the implementation of approved changes
- Create informative, actionable and repeatable reporting that highlights relevant business trends and opportunities for improvement
- Conduct insightful, ad hoc analyses to investigate ongoing or one-time operational issues

 **Mphasis: Service Desk Analyst, Pune**

Jul 2015 - Jun 2017

Key Result Areas:

- Receives and handles requests for service, following agreed procedures.
- Promptly allocates calls as appropriate.
- Logs incidents and service requests and maintains relevant records:
- Identifies and classifies incident types and service interruptions
- Records incidents cataloging them by symptom and resolution
- Acts under guidance to record and track reliability data for your services
- Systematically interprets user problems and identifies solutions and possible side effects.
- Uses experience to address user problems and interrogates database for potential solutions.
- Escalates complex or unresolved incidents.
- Records and tracks issues from outset to conclusion.
- During change, acts systematically to respond to day by day operational needs and react to them, avoiding service disruptions and maintaining coherence to (SLA) and information security requirements.
- Responds to common requests for service by providing information to enable fulfilment. Promptly allocates unresolved calls as appropriate.
- Maintains records, informs users about the process and advises relevant persons of actions taken.
- Acts as the routine contact point, receiving and handling requests for support.
- Responds to a broad range of service requests for support by providing information to fulfill requests or enable resolution.
- Provides first line investigation and diagnosis and promptly allocates unresolved issues as appropriate.
- Assists with the development of standards, and applies these to track, monitor, report, resolve or escalate issues.
- Contributes to creation of support documentation.
- Monitors service delivery channels and collects performance data.
- Assists with the specification, development, research and evaluation of services standards.
- Applies these standards to resolve or escalate issues and gives technical briefings to staff members.

Highlight

Annexure (Projects Till Deployment)

Project:	1. Diabetes Prediction
	2. Used Car Price Suggester
Project Aim:	Automating the Support Process And Product Reviews and Analysis
Technology:	Machine Learning, Python, Sklearn, Keras, Tensor-flow, PyTorch, Tableau for Data Visualization.
Pipelines Created:	<ol style="list-style-type: none"> 1. Data Collection 2. Feature Engineering 3. Feature Selection 4. Model Creation 5. Model Hyper-parameter Tuning 6. Model Deployment using Heroku Cloud 7. Model Retraining Approach 8. Model Results Dashboard using Tableau or Power Bi

Project Name	Model Name	GitHub Link	Web Link
Diabetes Prediction	Random Forrest Classifier	https://github.com/dk4u90/Diabetes-Predictor	https://diabetespredictor1437.herokuapp.com/
Used Car Price Suggester	Random Forrest Regressor	https://github.com/dk4u90/carpricedk4u	https://carpricedk4u.herokuapp.com/

Academia



Representative Project Experience summary

■ Advertising Sales Channel Prediction ■ Customer Churn Analysis ■ Baseball Predicted Wins ■ Big Mart Sales ■ Doctor's Consultation Fee ■ Flight Price Prediction ■ Titanic survived ■ Insurance Claims Fraud Detection ■ Indian E-Commerce Customers activation and retention ■ HR Analysis



Courses and Certifications

■ PG Program in Data Science, Machine Learning and Neural Networks ■ Business Analytics with Tableau ■ C/C++ ■ Basic Java ■ Python



Education

● **B.E. (Electronics and Telecommunications)** from ACEM College of Engineering, Pune, Pune University, Pune in 2014 with 60%.

Technical Skills

Programming Languages: C/C++, Basic Java, Python, Machine Learning, Artificial Intelligence, Deep Neural Networks, Convolutional Neural Network, Sklearn Libraries.

Databases: MongoDB, MySQL.

Platforms and Misc.: Anaconda, Jupyter Notebook, Spyder IDE, Python IIS, Windows XP/W7/W8/W10

Personal Details

Date of Birth: 15/12/1990

Languages Known: Hindi, English

Address: AT- Rajgawn, Post- Koriapatti, Dist- Supaul, Bihar-852214

Name:

Place:

Data: