TARUN KUMAR

With 8 years of experience in Data Science(3 years) and Software Development(5 years) targeting assignments in Analytics/ AI/ ML/ deep learning as Data Scientist/ Innovation Manger preferably in Delhi/NCR, Bangalore & Pune/ Remote.

CONTACT DETAILS

tarun9804@gmail.com

09789819526

tarun9804 (github.com)

Tarun-Kumar

CORE COMPETENCIES

- Data Science
- Data Analysis and Interpretation
- Machine Learning Algorithms
- Deep Learning
- Data Structure and Algorithms
- Natural Language Processing
- Project Management
- Requirement Analysis

TECHNICAL SKILLS

- Programming Language: Python, C/C++, MySQL/SQL
- MS: Excel, PowerPoint, Word, Azure
- Tableau, Azure, LeetCode (180+ DSA problems)
- Algorithms: Linear Regression, logistic, Ada-boost, GBM, KNN, K-Means, DBSCAN. ANN, CNN, YOLO

ACADEMIC QUALIFICATION

- MBA in Sustainable Management from Indian Institute of Management, Lucknow – IIM in 2020.
- B.Tech. in Electrical Engineering from Indian Institute of Technology, Madras - IIT in 2011.

INTERNSHIP

CSTEP (Centre for Study of Science, Technology and Policy), Noida |Oct'19 -Feb'20.

Research & Development

- Explored energy estimates for photovoltaic systems under various shading conditions.
- Developed a Python-based model using pandas to calculate energy losses due to shading.

PERSONAL DETAILS

- Language: English & Hindi
- Date of Birth: 14th November 1984

PROFILE SUMMARY

- IIM Lucknow and IIT Madras alumnus with strong background in statistics, probability methods and machine learning algorithms.
- Ability to perform statistical modeling techniques encompassing predictive, regression, classification, and clustering algorithms, as well as hypothesis testing, multivariate analysis, time series analysis, forecasting, and ARIMA modeling, all within the domain of Data Science.
- Played a pivotal role in guiding the strategic course of "Husk Power Systems" through a Data Science project, identifying growth opportunities within extensive data sets & devising and executing data-driven.

PROFESSIONAL DEVELOPMENT

Tutort Academy| Data Science Master's Course, DSA and System Design Master's course-Leet code 140+ problems|Feb'23-Jan'24

- **Cancer Cell Detection:** Achieved 70% accuracy using a Convolutional Neural Network.
- **Car Price Prediction:** Employed multiple linear regression with regularization, achieving 82% accuracy.
- **Insurance Prediction:** Utilized an Artificial Neural Network (ANN) and multiple linear regression, achieving 75% accuracy.
- **Object Detection:** Achieved 80% accuracy using YOLO.

WORK EXPERIENCE

Senior Consultant | Husk Power Systems, New Delhi | Mar'20 - Jan'23

Key Result Areas:

- Established QA procedures and implemented Scrum process, began to organize meetings with team members on weekly basis, which led to an increase in the company's software quality compared to before.
- Led data cleaning and processing initiatives, resulted in an improved data accuracy and reliability.
- Implemented features like plant maintenance and transaction management on web-based tools, enhanced operational efficiency.
- Developed an e-commerce mobile application, expanded the company's digital footprint and customer reach.

Highlights:

- Received CEO's High Performance Award twice in the 2nd quarter of 2020 & 2021, for outstanding contributions to project management and software development.
- Promoted from Innovation Manager to Senior Consultant within 1.5 years for exceptional performance and leadership skills.

PROJECTS

Husk Power Systems, New Delhi | Mar'20 - Jan'23

Data Science Project

- Utilized Multiple Linear Regression for plant automation, reduced manual intervention and increased operational efficiency by 80%.
- Conducted data preprocessing, interpolation, and automation.
- Utilized Azure services, including Azure Machine Learning, Event Hub, & Function App, to establish data ingress & egress from a remote solar plant.

PREVIOUS EXPERIENCE

Senior Software Engineer |Robert Bosch Engineering, Coimbatore| July'11 to July'16

Key Result Areas:

- Led algorithm development team for Bosch Sensors, ensuring accuracy and reliability in sensor functionalities; managed the Software Development Life Cycle
- Optimized software load time and memory map by 30% through the development of new initialization processes.
- Developed tools for magnetic data verification, reducing faulty incidents and enhancing sensor performance.

Highlights:

- Conducted Root Cause Analysis and resolved over 100 bugs reported by testing teams and field engineers.
- Evaluated project feasibility using standard math library Fortran-based packages, ensuring project success