Overview

A goal-oriented professional; targeting challenging opportunities in

Data Analysis/ Data Science/ Machine Learning/ Deep Learning

NITIN KUMAR
Data Analyst/ Data Scientist

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EDUCATION

- Master of Technology (Aerospace Engineering) from Indian Institute of Technology (IIT, Madras), Chennai, India in 2018
- Bachelors in Engineering (Aeronautical Engineering) from Aeronautical Society of India, New Delhi, India in 2015

CORE COMPETENCIES

Data Science

Machine Learning Algorithms

Deep Learning

Data Mining & Insights

Predictive Modelling

Requirements Gathering & Analysis

Business Intelligence

Relationship Management

Compliance

PROFILE SUMMARY

- Competent Professional with 3+ years of experience in **Data Science** and using latest data and visualization tools & software to provide the business with insights on customers and make recommendations for improvement
- Gained experience in the definition, development and evolution of data models, tools and capabilities
- Evaluated the effectiveness and accuracy of new data sources and provided timely communications on significant issues and developments
- Developed customized data models and algorithms to apply on data sets
- Keen interest in applying the knowledge of Machine Learning based-Tools
- Proper understanding of **machine learning algorithms**; developed analytical methods to support novel approaches of data and information processing
- Identified, developed and implemented appropriate statistical techniques, algorithms, and Machine Learning to create new solutions that resolved business challenges

CAREER TIMELINE

Work Experience

Apr'22–Till

Progrow Farm and Rural Mission PVT, Bangalore, India as Data Scientist

Key Result Areas:

Collaborated with multi-disciplinary teams to understand business requirements for the products and projects

- Data collection, importing of data of the analysis of crop prediction of the define season
- Using the Sentinel-2 image and field boundary, predict the crop using machine learning of the time series data
- By ResUNet CNN, using the Sentinel-2 RGB image predict the field boundary
- Report preparation

Highlights:

- Data analysis to understand business needs and requirements to translate into conceptual designs
- Using CNN Tensorflow, predict the field boundary
- Report and presentation of the final prediction

CERTIFICATIONS

- Python Programming from Coursera
- Introduction to Data Science from Coursera
- Power BI from Udemy
- Neural Network and Deep Learning from Coursera

IT SKILLS

Programming	Python, R, MATLAB
Data Visualisation	Power BI
Machine Learning	Scikit-learn, Regression, Classification, Clustering
Deep Learning	Keras, Tensorflow, Neural Network
Miscellaneous	SQL, VB, MS Excel, ANSYS

Jan'19 – Nov'21

TeleGlobal International, Pune, India as Data Scientist

Key Result Areas:

Collaborated with multi-disciplinary teams to understand business requirements for the products and projects

- Analysed statistical data; importing data from multiple sources, joining datasets, cleaning & preprocessing, data wrangling and visualizations
- Implemented statistical models including linear models, multivariate analysis, stochastic models, sampling, optimization & time series analysis
- Used machine learning and deployment of models
- Analysed data from various database and creating data sets that can then be analysed to provide key insights
- Constructed data sets by understanding the purpose of the data and the story it is going to tell
- Designed effective data storage for the task at hand and knowing how to optimize query performance
- Ensured compliance with coding standards and internal practices
- Build predictive model using various machine learning tools to predict the possibility of failure
- Used statistical approach to reduce large data set and statistical techniques like t-Test to testing the two set of random variables

Highlights:

- Design and maintain well-structured relational database schemas
- Used statistical approach to reduce large data set in assembly line
- Initiated use of statistical techniques like t-Test to testing the two set of random variables
- Utilized analytical and technical expertise to provide insights and proposal to support business improvements
- Conducted data analysis to understand business needs and requirements to translate into conceptual designs

Jul'18– Nov'18

Triveni, Bangalore, India as Senior Engineer

Highlights:

- Liaised with R&D teams to understand customer's pain points
- Analysed all data to enhance product quality

PROJECTS MANAGED

Title: Crop prediction of the NDVI data (Unsupervised Learning)
Description: Crop prediction using KMeans clustering algorithm

Title: Accuracy of the define crop using machine learning algorithm
Description: Binary and Multi-class crop analysis by statistical approach

Title: Field Boundary detection using Tensorflow
Description: Using Sentinel-2 RGB image and mask image, predict the field boundary

Title: Analysis of Bank Customers using Power BI
Description: Used data visualizations to issue loan and credit cards to customers using Power BI

Title: Engine Life Prediction Task
Description: Predicted Engine's Life using Random Forest

PERSONAL DETAILS

Date of Birth: 19th November 1988

Languages Known: English & Hindi

Permanent Address: Bhilai, Chhattisgarh