

AJAY KUMAR

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OBJECTIVES

To pursue a challenging career and be part of a progressive organization that gives scope to enhance my knowledge,skills with sheer determination ,dedication and hard work .

SKILLS

- Python , Pandas , Numpy , Matplotlib , Machine Learning , SQL , Python Flask , Heroku
- C , C++ ,Data Structure , Assembly Language
- HTML, CSS , Java Script
- Windows , Linux , Jupyter Notebook , Visual Studio Code

EXPERIENCE

AICE

Data Analyst

New Delhi , INDIA

08/2020 – 01/2023

- ◆ Received , cleaned and Prepped data using Python , SQL and Excel to help build marketing mix models that resulted in a lift.
- ◆ Build data visualizations using Pandas , Matplotlib, that reduced the attempts of the aspirants to qualifying the exam.

AICE

Instructor

New Delhi , INDIA

12/2015 - 08/2020

- ◆ Instructed as a mathematics faculty to the aspirants for clearing IIT-JEE exam

PROJECTS

➤ M.Tech

(2014-2015)

Algorithms for Span of $L(2,1)$ -Coloring of Graphs :Developed several algorithms for finding the span of $L(2,1)$ -Coloring of any connected graphs . Throughout my project I tried to develop more efficient algorithm. If we have more efficient algorithms then more efficiently we can allot frequencies to various channels located in the different places such that communication don't interfere . this is the most important application of our work.

➤ Real Estate Price Prediction :

(2021-22)

I ,first build a model using sklearn and linear regression using banglore home prices dataset from kaggle.com. Second step was to write a python flask server that uses the saved model to serve http requests. Third component is the website built in html, css and javascript that allows user to enter home square ft area, bedrooms etc and it will call python flask server to retrieve the predicted price. During model building we covered almost all data science concepts such as data load and cleaning, outlier detection and removal, feature engineering, dimensionality reduction, gridsearchcv for hyperparameter tuning, k fold cross validation etc.

EDUCATION

Indian Institute of Technology Kharagpur

Master of Technology

Computer Science & Data Processing

Kharagpur , INDIA

08/2013 – 05/2015

Banaras Hindu University

Master of Science

Applied Mathematics

Varanasi , U.P. INDIA

08/2009 - 05/2011

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