PUSHKAR KUMAR

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Education

Indian Institute of Information Technology, Jabalpur   **Aug 2020 – June 2024**
Bachelor of Technology — Cumulative GPA: 7.8/10.0

Relevant Coursework

- Data Structures and Algorithm
- Database Management System
- Operating Systems
- Object Oriented Programming
- Computer Networks

Experience

Bharat Aluminium Company Limited   **June. 2023 - July. 2023**
Machine Learning Intern
- I developed and trained a machine learning model using real production datasets.
- I utilized advanced techniques, including the Gradient Boosting Regressor algorithm and the Multi Output Regressor framework, to predict multiple output variables related to wire rod properties.
- The model takes the tensile strength as input and predicts 12 output parameters that are directly used in the wire rod manufacturing process.
- By accurately forecasting these parameters, the model contributes to the optimization and quality control of wire rod production.

Catenate Corporation   **Aug. 2022 - Oct. 2022**
Data Science Intern
- My responsibility was to help with data preparation, data analytics, and the development of algorithms for production-ready deployment.
- Sucessfully Scrape data from Airbnb, Amazon Books over different tagline using the Python programming language and Selenium Web Driver.
- Made Rest API and made algorithm in python programming language which will automatically scrape data from Google Book over multiple taglines
- Managed a 5-person team across 15+ websites, resulting in a 10 percent increase in efficiency and productivity.

Projects

Olympics Data Analysis Web App | *Python, Pandas, Numpy, Streamlit, Seaborn*   **Github**
- Developed a Python-based web application using the Streamlit library to perform a comprehensive analysis of Olympic Games data spanning from 1896 to 2016.
- Successfully cleaned and analyzed datasets to create an interactive platform featuring key features such as "Medal Tally," "Overall Analysis," "Country-wise Analysis," and "Athletes-wise Analysis.
- Providing users with an insightful platform to explore and understand the complete history of the Olympic Games

E-Commerce Application | *ReactJs, NodeJs, ExpressJs, MongoDB*   **Github**
- Designed a CRUD-based web application that allows customers to purchase available products.
- Added feature for adding things to cart, seeing purchase history, and viewing current market prices of products.
- Added a Google login and signup option, and implemented a powerful search and sorting feature that helps consumers to easily find the products they require.
- Created with 5 or more technologies, including Mongo DB, Express, React, Node, REST API, and Context APIs.

Technical Skills

Languages: C++, Python, SQL, HTML, CSS, JavaScript
Technologies/Frameworks: ReactJs, MongoDB
Analytics Tools: Power-BI, Microsoft Excel
Packages: Pandas, NumPy, Matplotlib

Achievements & Voluntary Work

- 15th place in college coding competitions (open for all years and branches)
- Expert at Code Studio
- Solve 1100+ DSA problems on Leetcode (600+), GeeksForGeeks (350+), CodeStudio (200+), InterviewBit (100+)