Aanchal Tyagi

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SUMMARY

Strong foundation in regression, classification, and machine learning using Python, Pandas, NumPy, and TensorFlow. Proficient in data analysis, feature engineering, and programming languages like Python, C, C++, and Java. Eager to apply analytical skills and gain hands-on experience through an internship, contributing to data-driven solutions and innovation.

EXPERIENCE

Python Intern
Codsoft

- **Developed Python-based applications, enhancing problem-solving and programming skills.**

- **Implemented core Python concepts, including data structures, object-oriented programming, and file handling.**

- **Utilized Pandas and NumPy for data preprocessing and Matplotlib for data visualization.**

- **Built interactive GUI applications using Tkinter for user-friendly model deployment.**

EDUCATION

Bachelor of Technology in Computer Science
COER University, Roorkee, India

- Aug 2023 – Aug-2027

XII (CBSE) in PCM
Chandra Shekhar Sr. Secondary Public School, Roorkee, India

- Apr 2022 – Mar 2023

X (CBSE)
Chandra Shekhar Sr. Secondary Public School, Roorkee, India

- Apr 2020 – Mar 2021

PROJECTS

Smart Text Summarizer
COER University

- Built a web-based text summarization tool using Python, Django, and NLP techniques.
- Designed a responsive UI with HTML, CSS, and Bootstrap.
- Implemented text preprocessing (tokenization, stop-word removal) for improved accuracy.
- Ensured efficient and coherent summarization for enhanced readability.

Leaf Disease Detection System
COER University

- Developed a machine learning model to classify plant diseases using leaf images.
- Utilized Python, OpenCV, and TensorFlow for image processing and model training.
- Improved early detection and prevention of plant diseases through accurate classification.

SKILLS

Programming Languages: Python, C, C++, SQL, Java
Data Science Tools: Pandas, NumPy, Matplotlib, TensorFlow, OpenCV
Web Development: HTML, CSS,JS
Productivity Tools: Microsoft Office (Excel, Word), PowerBI,Tableau
Courses: Machine Learning, Data Structures and Algorithms (DSA), C++
Languages: English (Fluent), Hindi (Native)