Aayush **Kumar**

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GitHub · LinkedIn · GoogleCloudSkillBoost

PROJECTS

House price prediction (Research)   **June 2023 - Present**

- Developing a robust and accurate system of close to 79% for predicting house prices.
    - Conducting individual research on the data using various regression techniques, such as simple linear, multiple linear, ridge, feature selection, lasso, and k-nearest regression.
    - **Used Technologies/Libraries** - Python, TensorFlow,model evaluation libraries ,scikit-learn, regression libraries.

Potato Disease Classification (Research) ↗   **March 2023 - May 2023**

- Developed a highly accurate system with an accuracy of 99.8% for detecting potato diseases using **VGG16** and **VGG19** convolutional NN architectures.
    - Created an interactive web page using React and Node.js to deploy the model.
    - **Used Technologies/Libraries** - Python, TensorFlow, Deep Learning frameworks, scikit-image, and model evaluation libraries, React.js, Node.js.

Diabetes Prediction Model ↗

- Developed a Diabetes Prediction system using Python.
    - Pre-processed data and applied classifiers on it to create diabetes prediction model.
    - **Used Libraries** - sklearn, pandas, matplotlib, seaborn.

SKILLS

- C/C++ | Java | Python | HTML/CSS | JavaScript
- BootStrap | Node.js | React.js | Git
- MySQL
- Data Structures and Algorithms
- Object Oriented Programming
- TensorFlow | tfserving | FastAPI | Keras | NLP | Numpy | Pandas | scikit - learn | SFrame | Regression Techniques
- Data Analysis | Data Mining | Data Modeling
- Computer Networks | Operating System
- UI/UX Frameworks

CERTIFICATES

- **Machine Learning Specialization** - offered by University of Washington
- **Generative AI Fundamentals** - offered by Google Cloud
- **DSA Specialization** - offered by University of California San Diego
- **Structuring ML Projects** - offered by DeepLearningAI
- **Designing User Interfaces and Experiences(UI/UX)** - offered by IBM

EDUCATION

National Institute Of Technology, Kurukshetra
Computer Science
2021 - present

Aravali International School
Science - 95%
2019 - 2021

EXTRACURRICULARS

President, Street Underconstruction Crew
Dance Crew of NIT Kurukshetra

Social Media Team Head, Colours :)

- Mental Health Club
- Responsible for handling Official Instagram/LinkedIn page of Organization.

TEDxNITKKR (Co-Organizer)

- Responsible for organizing TEDx for the 1st Time in NITKKR

Content Writer - Eunoia (College Magazine)

Gold Medalist - State Level Taekwondo

Gold Medalist - District Level Skating