Gaurav Singh

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EDUCATION

Galgotias University (MCA - **CGPA-8.6**)	July 2023–May2025(Expected) Greater Noida (U.P)
Dharwad University (Bachelor of Applied Science - **CGPA-6.0**)	June 2017–May 2021 Karnataka
Saraswati Vidya Mandir (Intermediate - **83.2%**)	April 2016–May 2017 Kanpur (U.P)
S S Inter college (High School - **78.3%**)	April 2014 – May 2015 Jaunpur (U.P)

PROJECTS

Book Recommendation System| Technology ML Used   Dec **2023**
- Built a recommendation engine using a hybrid model of collaborative based filtering to suggest books to users based on their reading history and preferences.
- **Technologies:** Python, Pandas, Scikit-Learn
- **Techniques:** Implemented collaborative filtering with k-Nearest Neighbors.

Irish Flower Classification| Technology ML Used   **Feb 2024**
- Built a classification model to identify Irish flower species (e.g., Setosa, Versicolor, Virginica) based on sepal and petal dimensions.
- **Programming Language**: Python
- **Libraries:** Scikit-Learn (for model training and evaluation), Pandas and NumPy (for data manipulation), Matplotlib or Seaborn (for data visualization), Jupyter Notebook (for interactive development).
- Specify the classification algorithms used, such as Logistic Regression, k-Nearest Neighbors (kNN), Decision Trees

Image Classification | Using Tensorflow System (Deep Learning)   **In progress**
- Developed a Convolutional Neural Network (CNN) model using TensorFlow to classify images from the CIFAR-10 dataset into 10 categories, achieving high accuracy through model tuning.
- **Framework and Libraries**: TensorFlow, Keras, OpenCV, Google Colab and other supporting libraries like NumPy and Matplotlib (for visualization).
- **Model Architecture**: Built a multi-layer CNN model, experimenting with various architectures including VGG and ResNet to improve performance.
- **Training and Evaluation:** Achieved 92% accuracy on test data, evaluated with precision, recall, and a confusion matrix to validate classification accuracy.

INTERNSHIP

Embrizon (Intern) (AI-ML)   **May-July 2024**
- Programming Languages: Python, Java (focus on Python, which are widely used in ML)
- Machine Learning Libraries & Data Visualization: Scikit-Learn, TensorFlow, Keras, PyTorch, Matplotlib, Seaborn
- Tools, Environments & Data Analysis: Jupyter Notebook, Google Colab, Git, Pandas, NumPy, SciPy
- Project: Iris flower Classification, Bigmart Sales Prediction

Edu skills Academy (Intern) (Java Full Stack Developer)   **July-Sep 2024**
- Languages: Java, SQL, HTML, CSS, JavaScript
- Libraries & Database: Bootstrap, jQuery, MySQL
- IDEs: IntelliJ IDEA, Eclipse, Visual Studio Code

TECHNICAL SKILLS

- **Languages:** Python, Java, C, MySQL, HTML, CSS, MS Excel, Power BI, Critical Thinking, Data Visualization
- **Developer Tools:** VS Code, Android Studio, eclipse, IntelliJ Idea Ultimate, Git

CERTIFICATIONS

- AI-ML certification- Google for Developers
- C Programing- Ducat Classes
- Coursera Data Analyst Certificate By Google

EXPERIENCE

JK Paper Limited (Executive)   **Dec 2021–Mar 2023**
- I am working as a Quality control and Process Executive in a Paper Manufacturing Company.