

Karan Kumar Singh

Digital CV | Karan Kumar Singh

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EDUCATION

PARUL UNIVERSITY
BTECH IN INFORMATION
TECHNOLOGY
Aug 2022 - Apr 2026*
CGPA: 7.48 / 10.0

KENDRIYA VIDYALAYA
CLASS XII (CBSE)
Jul 2022
Percentage: 79.4%

KENDRIYA VIDYALAYA
CLASS X (CBSE)
Jul 2020
Percentage: 88.6%

LINKS

Github:// [KaranKumar0402](#)
LinkedIn:// [karankumar0402](#)
Twitter:// [@KarannKumar0402](#)

COURSEWORK

UNDERGRADUATE
Operating Systems
Functional Programming
Database Management
Data Structure & Algorithm
JAVA + OOPS

SKILLS

PROGRAMMING
Programming languages:
Python • Java • C / C++
Databases:
MySQL • MongoDB
Libraries/Frameworks:
NumPy • **Pandas** • Matplotlib •
OpenCV • PIL • **Tensorflow** •
Keras • Pytorch • **Streamlit** • Flask
Developer Tools:
Git • Amazon Web Services (AWS)
• **Anaconda**

PROJECTS

Amazon Web Scraper

- Used Requests python module to POST request on Amazon Shopping Website and GET HTML content of it.
- Used BeautifulSoup python module to scrap necessary data out of the HTML content.

Technologies used:

Python • **Jupyter Notebook** • Kaggle

Plant Disease Detection

- Deployed a pretrained ResNet9 model which predicts the disease according to input plant leaf image.
- Used torchvision for Image Processing.

Technologies used:

Python • **Streamlit** • Kaggle

Textron

- Used EasyOCR for Optical Character Recognition.
- Added image cropping feature using Streamlit Cropperjs.
- Added brightness and contrast adjustment feature using OpenCV Scale Converter.

Technologies used:

Python • **Streamlit**

MNIST Digit Recognition

- Trained a Neural Network on famous MNIST Digit dataset from Kaggle using Tensorflow.
- Used Tensorflow and Keras to process the input images.

Technologies used:

Python • **Jupyter Notebook** • Kaggle • **Streamlit**

HACKATHON

Vadodara Hackathon 4.0 2023 Winner

DMeter by Team NCoderX - AI/ML Lead

Startup funding offer letter by PIERC (Parul University)
Sep 2023

- Real time soil nutrition monitoring to suggest a farmer a good crop suitable for this soil (land).
- It's monitor Moisture level, Temperature, NPK value, Farm surveillance, Crop recommendation, Globally accessible via site.

REFERENCE

Shreyash Bhandari

Junomoneta Finsol Pvt. Ltd. | Data Analyst
9662007292