HARSHIT KUMAR PATHAK

A dedicated and ambitious Software Development Engineer seeking opportunities in an organization that promotes both technical growth and personal development.

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ACADEMIC DETAILS

B.Tech - Computer Science Engineering
Maharaja Agrasen University
📅 2020-2024   **92.24%**

Senior Secondary - XII (Non - Medical)
Shivalik Science Senior Secondary School
📅 2018-2019   **87.80%**

High School - X
Crescent Moon Public School
📅 2016-2017   **86.85%**

TRAINING + INTERNSHIP

Data Analysis Trainee
Bentec Bhartia Engineers Private Limited
📅 June - August, 2022

Project Intern
Physics Wallah Private Limited
📅 June - August, 2023

FREELANCING

Subject Matter Expert in CSE
Chegg India Private Limited
📅 April 2022- October, 2023

CERTIFICATION

Data Science Master Program - PW Skills
Python Programming - Great Learning
CSS & Javascript for Beginners - Udemy

SOFT SKILLS

- Leadership
- Time Management
- Fast Learner
- Problem Solving
- Team Player
- Communication Skills

LANGUAGES KNOWN

- English
- Hindi

TECHNICAL STACK

Data Science / Machine Learning
Python, Data Cleaning & Preprocessing, Data Visualization, Exploratory Data Analysis, Supervised Machine Learning Algorithms, ANN, CNN, NLP etc.

Programming Languages
Python, HTML, CSS, SQL

Python Packages and Framework
Scikit-Learn, Numpy, Pandas, Matplotlib, Seaborn, Tensorflow, Streamlite etc.

Web Development
HTML, CSS, FastAPI, Bootstrap, Tailwind CSS

PROJECTS

Hand Sign Language Detector
Built a hand sign language detection system using Mediapipe and OpenCV to create a dataset of 26 alphabet letters. Implemented a KNN algorithm to classify and accurately interpret hand signs, facilitating communication for individuals with hearing impairments.

OmniHealth - Smart Health Predictor
Developed OmniHealth, an advanced health prediction system that uses machine learning to diagnose diseases such as Malaria, Pneumonia, Alzheimer's, Heart Disease, Chronic Kidney Disease, and Diabetes. The AI chatbot "Baymax" offers health assistance, providing users with information and advice on their health queries.

Machine Learning Fine Tuner
Created a comprehensive machine learning platform with three core components: Model Trainer, Visualizer, and Luna Assistant. This platform simplifies the model training process, provides real-time data visualization, and delivers AI-driven assistance for better machine learning model development and deployment.

Drowsiness Detection System
Developed a real-time drowsiness detection system that monitors eye closure duration. If the eyes remain closed for 8 seconds, the system triggers an audible alert to prevent accidents, enhancing safety for drivers and machine operators.

EXTRA-CURRICULAR ACTIVITIES

- Reached the Finals of Manthan 2021- Coding Competition
- Coordinated Logo Designing & Crack the Code, held at Maharaja Agrasen University
- Represented Project Report at District Level in Children Science Congress