Himanshu Saini

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Brief

I am a highly skilled and passionate software developer with proficiency in **C++** and **Python**. I have knowledge of popular libraries such as **Numpy, Pandas, Scikit-Learn** and experience with **Machine Learning** and **Deep Learning** frameworks in Python. I also have experience in building web projects using **React** and **NodeJS**.

Technical Skills

Languages	:	C++, C, Python, Java, JavaScript
Libraries	:	Pandas, Numpy, Keras, Scikit-Learn, ReactJS, NodeJS, ExpressJS
Deep Learning	:	Neural Networks, CNN, RNN, Image Classification
Databases	:	SQL, MongoDB
Dev Tools	:	Visual Studio Code, Git, Anaconda

Education

Gurukul Kangri Vishwavidyalaya — Haridwar, Uttarakhand, India
Bachelor of Technology in Computer Science and Engineering — *December 2020 – Currently in 4th year*

Pathania Public School — Rohtak, Haryana, India
12th in the year 2019 — *Grade - 81.6*

Projects

Online Judge — *JavaScript, React, NodeJS, Python, MongoDB* — Source Code

- An online judge system to test programs in programming contests.
- Supports languages such as C++ and Python.
- The backend of the project was implemented in NodeJS with ExpressJS and MongoDB was used to store user data.
- The frontend was implemented with ReactJS and libraries such as MUI, Tailwind CSS.

House Price Prediction — *Python, Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Keras* — Source Code

- A house price prediction model using advanced regression and deep learning techniques.
- The data-set was imported from **Magic Bricks** and contains information from urban areas in Delhi.
- Highest testing score was **87 percent**.

Image Classification — *Python, Numpy, Pandas, Matplotlib, Keras* — Source Code

- A Deep Learning model built using **Convolutional Neural Networks** that classify images on **Cifar-10** data-set.
- The model categorizes images into the various classes in the data set accurately.
- Model accuracy was **84 percent** on testing.

Certifications and Achievements

- **Supervised Machine Learning - Regression and Classification**, An online non-credit course offered through **Coursera**.
- **Rank - 1**, in the Data Analysis competition held on **GeeksForGeeks**.
- **Top 500**, Secured a rank in top 500 in **AWS DeepRacer Student's League** in August circuits. Was awarded a scholarship on Udacity's Deep Learning Course.
- **Rank - 2206**, amongst more than 50,000 participants in the competitive programming contest held by **Newton School**.
- **Rank - 80** , my team got a rank of 80 amongst more than 200 teams in the competitive programming contest held by **TeamsCode**.
- **Pupil (1205)**, on **Codeforces** and **3***, on **CodeChef** platform. Have solved more than 500 Data Structure and Algorithm problems.