

# Sourab Paul

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## EXPERIENCE

### Machine Learning Intern

Feb 2023 – Present

*IGNITUS*

*Pennsylvania, USA (Remote)*

- Combined **5** different datasets with a total of **100,000+** records and **10** variables, resulting in a comprehensive dataset for analysis.
- Handled **10%** of outliers and **5%** missing data to improve the quality of the dataset.
- Developed a KNN model, achieving an accuracy of **95%** and a precision and recall of **92%**, outperforming the baseline model by **4%**.

## PROJECTS

### Price Assist | Python, Sklearn, Django

Aug 2022

- Developed a Web-app in Django that utilizes data on a vehicle's mileage, brand, kilometres driven, and other factors to determine the best selling price.
- Hosted link : <https://price-assist-1e25a.web.app>
- Project link : <https://github.com/beastrun12j/Price-Assist>

### Image Processing app using hand gestures | Python, OpenCv

May 2022

- Created a **python app with opencv** to detect various hand positions and gestures to perform image-processing functions like re-sizing, image movement, color-filters and image toggling.
- Project link : <https://github.com/SourabHere/Image-Processing-App>
- Project video link : [computer vision project](#)

### OpenSourceHub | Python, Django

September 2022

- Created a social media web-app using **Django in python** with a login system which allows users to search/upload and edit projects which are actively open for opensource contributions. The app also supports searching other user accounts and posting feedback via like/dislike and the comments section.
- Project link : <https://github.com/SourabHere/OpenShourceHub>

## CODING ACHIEVEMENTS

- Achieved **rank 1476 out of 10000+** in **GeeksForGeeks Job-A-Thon 11: Hiring Challenge**.
- Achieved rank **2876 out of 22500+** in **LeetCode Weekly Contest 314**.
- Max Leetcode contest rating **1687 (Top 13%)**.
- Solved **600+** problems on **Leetcode**.
- **Subject Matter Expert** in Chegg **Work Certificate**.
- Among the top achievers and **earned all 6/6 badges in Google Learn to Earn Program**.

## TECHNICAL SKILLS

**Languages:** Python, C/C++, Java, MySQL, JavaScript, HTML/CSS

**Frameworks:** Django, SkLearn

**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, Render, Jupyter Notebook, Google Colab

**Libraries:** Pandas, NumPy, Matplotlib

## COURSEWORK

**Data Structures and Algorithms**

**Data Base Management System**

**Object Oriented Programming in C++**

**Algorithm Design and Analysis**

## EDUCATION

**Maharaja Surajmal Institute of Technology(2020 – 2024)**

*B.Tech in Computer Science*

GGSIU, New Delhi

*CGPA: 9.4 / 10.0*