

# Shreeya Gulawani

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MSc in Data Science with a specialty in computer vision, predictive modelling, and data analytics, and an array of proficiency in Python programming. Skilled in statistical analysis, data manipulation, and visualisation, and has practical experience with machine learning techniques. Experienced in developing computer vision programs for analysis and processing of images.

## SKILLS

C Programming, C++ Programming, C# Programming, Python Programming, R Programming, SQL, Machine learning, Deep Learning, Google Cloud Platform, OpenCV Python library, Django, NumPy, Pandas, Matplotlib, TensorFlow, Keras, PyTorch, Power BI, Tableau, Data Visualisation, Data Manipulation, Statistical Analysis.

## EXPERIENCE

### Data Metrics, India - *Data Analyst*

JULY 2021 - JULY 2022

- Conducted exploratory data analysis (EDA) on diverse datasets to uncover trends, patterns, and correlations, using Python libraries such as pandas, NumPy, and matplotlib..
- Utilised sophisticated statistical methodologies and machine learning algorithms to extract actionable insights from intricate datasets, fostering informed decision-making and strategic business enhancement.

### AIsis Technologies, India - *Software Developer*

JANUARY 2021 - MAY 2021

- Developed a feature-rich job portal utilising Python and Django frameworks.
- Assisted the entire development lifecycle, overseeing tasks such as MySQL database design, backend logic implementation, and frontend design employing HTML, CSS, and JavaScript.

### Insys Software, India - *Software Developer*

JANUARY 2020 - DECEMBER 2020

- Collaborated on the development of scalable and efficient software solutions, leveraging programming languages such as Java, Python, & C++ to tackle complex technical challenges.
- Engaged in the development and customization of software applications catering to the specific needs and preferences of a varied clientele.

### MindIT, India - *Web Development Intern*

DECEMBER 2018 - DECEMBER 2019

- Actively participated in the design, development, and testing phases of web projects.
- Assisted in the creation of responsive and user-friendly websites, utilising HTML, CSS, and JavaScript for frontend development.

## EDUCATION

### Manchester Metropolitan University, Manchester. - *MSc. Data Science*

SEPTEMBER 2022- SEPTEMBER 2023

Modules: Principles of Data Science, Machine Learning, High-Performance Computing & Big Data, Advanced Machine Learning, Deep Learning, Algorithms & Data Structures, Computational Mathematics & Statistics, Data Management & Governance.

JULY 2017- AUGUST 2021

Modules : STLD, OOP, COA, Programming in Java, Internet Protocols, Data Structures & Applications, Organisational Behaviour, Basic Human Rights, Database Management Systems, Design & Analysis of Algorithms, Software Engineering, IT Service Management, Operating Systems, Digital Image Processing, Software Project Management, Cloud Computing & Storage, AI, Pattern Recognition, Machine Learning, IoT.

## **PROJECTS**

### **Smart Daily Human Activity Reporting System.**

JULY 2023 - SEPTEMBER 2023

- Developed a groundbreaking system integrating Machine Learning, Deep Learning, and OpenCV technologies, revolutionising activity monitoring and reporting through advanced algorithms and computer vision techniques.
- Demonstrated expertise in leveraging innovative algorithms and deep learning models to enhance both accuracy and efficiency in activity monitoring and reporting, driving more effective analysis and decision-making processes.

### **Brain Tumour Detection.**

FEBRUARY 2023 - MAY 2023

- Employed rigorous techniques to scrutinise and select the most suitable deep learning algorithms, aligning with project objectives to maximise model efficiency and performance.
- Applied sophisticated neural network architectures and optimization techniques throughout the project, emphasising the utilisation of state-of-the-art frameworks to attain unparalleled accuracy and efficacy in activity monitoring and reporting systems.

### **Price Prediction of Cars.**

SEPTEMBER 2022 - MAY 2023

- Performed rigorous data cleaning, addressing missing values, outliers, and inconsistencies to ensure data integrity.
- Employed hyperparameter tuning techniques such as grid search or randomised search to optimise model performance.
- Conducted thorough model interpretation, analysing feature importance and coefficients to understand underlying relationships.

### **Indian Currency Identification.**

FEBRUARY 2020 - APRIL 2020

- Engineered a stand-alone application utilising OpenCV, a powerful Python library for image processing, to tackle the critical task of discerning authentic Indian paper currency from counterfeits.
- Integrated cutting-edge image processing methodologies within the application framework to enable accurate identification of key security features embedded in Indian currency notes.