



SHIVANSHI SHARMA

22/06/2001 | +91-9412074606 | helloshivanshi@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATIONAL QUALIFICATIONS

Thapar Institute of Engineering and Technology	2025
MCA (Master's in Computer Application) – CGPA- 9.43	Patiala, Punjab
Shaheed Rajguru College of Applied Sciences, University of Delhi	2022
B.Sc. (H) Statistics – CGPA – 8.62	New Delhi
D.A.V. Centenary Public School	2019
12 th – Percentage - 93.8%	Haridwar, Uttarakhand
D.A.V. Centenary Public School	2017
10 th – CGPA – 10.0	Haridwar, Uttarakhand

INTERNSHIPS

- **AI/ML INTERN- JACOBS**  **Mar 2025– ongoing**
 - Deep Learning Based Pothole Detection System (Python, YOLO, U-Net, EfficientNet, React, FastAPI): Designed and implemented a deep learning-based pothole detection system utilizing semantic segmentation (U-Net & EfficientNet) and instance segmentation (YOLOv8). Conducted dataset preparation, model training, performance evaluation, and real-time inference along with deployment using React (with TailwindCSS) for the frontend and FastAPI as the backend API server to aid infrastructure monitoring.
 - Sales & Product Performance Analytics (Power BI): Designed and developed interactive dashboard with filters, slicers, tooltips. Created DAX measures for KPIs, trend analysis, and profit calculations. Implemented data modelling to support dynamic visualizations.
- **IT INTERN- ITC LIMITED**  **June 2024– July 2024**
 - Improved server health reporting efficiency by 90% through automation, reducing manual input time of 3 hours.
 - Automated daily vehicle report generation, processing 500+ records per day by integrating raw ANPR data with master data, saving 4 hours of manual work daily.
 - Aided in implementing a real-time ML monitoring system to enhance safety protocol compliance in loading areas, generating prompt notifications for authorities.

PROJECTS

- **EXERCISE DETECTION & POSE CORRECTION SYSTEM- FitForm AI** **July 2024**
 - Technologies and frameworks used are Python, OpenCV, Mediapipe, HTML, CSS, JavaScript, Flask, IDE - VS Code.
 - Utilized Mediapipe for pose estimation and OpenCV for video processing, ensuring accurate detection of key body landmarks.
 - Instant feedback system, helping users maintain correct form, reducing injury risks & increased exercise accuracy by 75%.
- **PRICE COMPARISON WEBSITE** **April 2024**
 - Technologies and frameworks used are Python, Web Scraping, Flask, HTML, CSS, IDE - VS Code
 - A display page where the user can search any mobile phone and comparison page to display results with real time prices.
 - Scraped real-time data from Amazon and Flipkart for over 200 mobile phone models.
- **FAKE NEWS DETECTION** **February 2024**
 - Implementation of multiple classifiers among which Random Forest achieved high accuracy (~90%)
 - Integration of advanced text preprocessing and feature extraction techniques.
 - Development of a user-friendly deployment interface using Streamlit.
- **DEEP LEARNING-BASED AUTISM CLASSIFICATION** **Dec 2023**
 - Developed a CNN-based image classification model to categorise 'Autistic' and 'Non-Autistic' images.
 - Enhanced interpretability using techniques like Grad-CAM, LIME, and Integrated Gradients to explain predictions.
 - Deployed the model via Gradio, enabling real-time, user-friendly predictions.





POSITIONS OF RESPONSIBILITY

- **GENERAL SECRETARY** – Department of Statistics, SRCASW, Delhi **August 2020 – March 2022**
 - Headed the team to organise most successful Technical Fest, 4+ successful workshops and seminars.
 - Handled other finance-related responsibilities.
- **QEEMLE MAGAZINE | CORE TEAM MEMBER**– SRCASW, Delhi **September 2019 – March 2021**
 - Researched and analysed a multitude of existing pieces of literature on change-makers from various domains and framed insightful questions, and subsequently conducted 5+ interviews
 - Agent of change in dynamic Collaborations Committee

SKILLS

- **LANGUAGES:** Python, SQL, HTML, CSS, C++, C,
- **COURSEWORK:** DSA, Operating Systems, DBMS, OOPS concepts, Software Engineering, Machine Learning, AI, Computer Networks
- **DEVELOPER TOOLS:** VS Code, Jupyter Notebook, Google Collab
- **TECHNOLOGIES/Frameworks:** Power BI, Git/GitHub, Scikit-learn, NumPy, Pandas, Matplotlib.

CERTIFICATES

- SQL for Data Analytics- Udemy  **February 2023**
- Business Analytics and Process Management- Coursera  **Nov 2022**
- Tableau, Excel and ML using Python - STEPUP ANALYTICS  **May 2021**
- Python - CEPTA INFOTECH  **September 2019**