

GUNJAN GOYAL

☎ +91-9971337528 ✉ gunjangoyal515@gmail.com  [gunjan-goyal](#)  [Gunjan-Goyal](#)

EDUCATION

Indira Gandhi Delhi Technical University for Women, Delhi, India

2021 - 2025

B.Tech in Mechanical and Automation Engineering GPA - 7.64

New Delhi, India

S.D. Public School, Delhi, India

2019-2021

Senior Secondary Board XII GPA - 8.73

New Delhi, India

TECHNICAL SKILLS

Languages: Python, C++, C, JavaScript

Frameworks/Libraries: Scikit-learn, SciPy, Keras, Tensorflow, OpenCV, Numpy, Pandas, Matplotlib, Seaborn, SQL

Tools: Power BI, StreamLit, Gradio, Excel, Microsoft Suite, Wylodrin Studio

Coursework: Algorithms, Database Management, Artificial Intelligence, Machine Learning, Data Enterprise, Computer Vision, Deep Learning, Time Series Analysis

EXPERIENCE

Machine Learning Intern

May 2024 - July 2024

The Outlook Groups

Delhi, India - Remote

- Built an interactive Power BI dashboard on 7 business cases.
- Performed Exploratory Data Analysis (EDA) on 12% of the subscription database.
- Analyzed historical data points of 5 product lines and developed predictive sales models using the ARIMA and Exponential Smoothing method, resulting in a 10% increase in customer acquisition.

PROJECTS

Smart Terrain Detection / EfficientNet-B0

Jan 2025 - March 2025

- Utilized StreetSurfaceVis dataset and resized images to 128x128 for EfficientNet-B0 compatibility.
- Fine-tuned EfficientNet model with ImageNet Weights, freezing the first 50 layers, training with Adam optimizer (LR= 0.0001) and categorical cross-entropy loss.
- Implemented early stopping (patience = 3) on validation loss, ensuring optimal training.
- Achieved validation accuracy of 98.95%, training accuracy of 98.18% with minimal overfitting.

Image Sentiment classifier / Convolution Neural Network | [Link](#)

Nov 2024 - Dec 2024

- Scraped & preprocessed dataset from Google Images, filtering corrupt images, applying real-time augmentation, and rescaling for optimized training.
- Developed a CNN-based Sequential model with Conv2D, MaxPooling, Flatten, Dense, and Dropout layers, with ReLU and Sigmoid activation for sentiment classification.
- Trained for 20 epochs with binary cross-entropy and Adam optimizer, achieving validation accuracy of 99.8% and training accuracy of 99.2%, ensuring strong generalization.

Heart Disease Prediction / EDA, Streamlit | [Link](#)

May 2024 - July 2024

- Analyzed pre-existing heart disease dataset to identify trends and key risk factors through visualization and statistical methods.
- Designed an interactive dashboard using Streamlit, allowing users to explore insights.

PUBLICATIONS

G. Goyal, S. Sharma, A. Tripathi, P. Mishra, D. Chhabra, 'Context-Aware Adaptive Wheelchair: AI-Driven Terrain Detection for Mobility Assistance' International Conference on Engineering Trends in Education Systems & Sustainability (ICETESS-2025), Springer, 2025. (Accepted).

POSITION OF RESPONSIBILITY

IEEE IGDTUW

Aug 2024 - Present

- **Chairperson:** Leading 8 sub-teams and driving the overall growth of the student chapter of IEEE.

ACHIEVEMENTS

- Dr. JK Pal Memorial Award for exemplary dedication, leadership, and impact on the IEEE community.
- Outstanding IEEE Student Volunteer Award for remarkable commitment and service to IEEE.
- Postman Student Expert badge for completing training on API's.
- Foundational and Advanced badges for Data Science course from IBM.