# Anshi

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## EDUCATION

**Graphic Era University**                                                      Uttarakhand, India
*Master of Computer Applications (MCA), CGPA: 8.13*                  *Sept 2021 – Jun 2025*

**National Post Graduation College**                                        Uttar Pradesh, India
*Bachelor of Computer Applications (BCA), CGPA: 6.2*                *Sept 2020 – Jun 2023*

## TRAINING AND CERTIFICATION

**Create Your First Web App with Python and Flask**              May 2024 – Jun 2024
*Coursera*                                                                                        *Online*

- Completed a guided project on creating web applications using the Flask framework, including building and deploying a minimal Flask app.
- Gained proficiency in using WTForms for form handling, SQLAlchemy for database integration, and templates for dynamic content in Flask applications.
- Developed and deployed a functional web application, applying concepts like Flask application structure, form handling, and database integration.
- **Tech Stack**: Python, Flask, WTForms, SQLAlchemy, SQLite, HTML, Web Development.

**Data Analysis in Python: Using Pandas DataFrames**            Nov 2023 – Dec 2023
*Coursera*                                                                                        *Online*

- Completed a guided project on analyzing and exploring data using Pandas functions, including importing JSON data into Pandas DataFrames, performing data cleansing, and applying data preparation processes.
- Developed proficiency in visualizing data using Pandas, creating histograms for distribution analysis, line charts, bar charts for time series visualization, and scatter plots for correlation analysis.
- Gained hands-on experience working with the IMDb Movies dataset, utilizing Pandas functions to filter, clean, aggregate, and visualize data to answer analytical questions.
- **Tech Stack**: Python, Data Analysis, Data Cleansing, Data Visualization.

## PROJECTS

**Traffic Sign Recognition Using Convolutional Neural Networks (CNN)**    Mar 2024 – May 2024
*Final Year Project*                                                                *Graphic Era University*

- Developed a convolutional neural network (CNN) model using TensorFlow and Keras to classify traffic signs from the German Traffic Sign Recognition Benchmark (GTSRB) dataset. Trained on over 50,000 images, the model was fine-tuned through hyperparameter optimization and performance evaluation, achieving robust classifications.
- Implemented comprehensive image preprocessing techniques such as resizing, normalization, and batch dimension adjustment to improve model accuracy and generalization.
- Created an interactive web interface with Gradio, enabling users to upload traffic sign images and receive real-time predictions with detailed explanations.
- **Tech Stack**: Python, TensorFlow, Keras, OpenCV, NumPy, Gradio

## PUBLICATIONS

**Journal of The Asiatic Society of Mumbai, Vol. 97, No. 2 (I)**                Jan 2023

- **Mental Health Status of Primary School Teachers During COVID-19 Pandemic**. Published with ISSN: 0972-0766 and Impact Factor: 3.947.

**Education and Society, Vol. 46, No. 2**                                        Mar 2023

- **Securing IOT using Blockchain**. Article published with ISSN: 2278-6864, Impact Factor: 5.74.

## SKILLS & COURSES

**Languages**: Python, C/C++, Java

**Frameworks**: Flask, SQLite, HTML, CSS, Javascript, TensorFlow, Keras, OpenCV, NumPy, Gradio

**Courses**: Data Structures and Algorithms, Object Oriented Programming, Database Management Systems