

# Harshul Nanda

Highly motivated and dedicated programmer with over 4 years of experience in Python and various other programming languages, utilizing diverse frameworks. Driven by a passion for technology and continuous learning, I embrace challenges as opportunities to expand my knowledge and enhance my skillset in computer science.

## Education

- 2021–Present **Information Technology and Mathematical Innovation**, *Cluster Innovation Centre*, University of Delhi.
- 2021 **Senior Secondary**, *Central Board of Secondary Education*, 91.20% (Boards Examination).
- 2019 **Secondary**, *Central Board of Secondary Education*, 90.20% (Boards Examination).

## Experience

- 2022 **Algorithms Content Writer**, [OPENGENUS FOUNDATION](#).
- Published algorithm and data structure articles with practical implementation, demonstrating diverse methods and mathematical skills.
- 2022 **Machine Learning Engineer**, [BEYOND EXAMS](#).
- Developed machine learning models for binary classification of YouTube videos as educational or non-educational.
- 2022 **Software Engineer**, [PARAS LABS](#).
- Worked on a variety of projects and gained hands-on experience in developing high-quality mobile applications for iOS devices.

## Projects

- 2020 **Web Development**, [PERSONAL PORTFOLIO WEBSITE](#).
- Developed a responsive personal portfolio website using HTML, CSS, and JavaScript, featuring skills, experience, and projects, with design prototyping in Figma.
- 2022 **YouTube Video Analytics and Categorization Platform**, [HARM BOT](#), Beyond Exams.
- Created a web app with Streamlit to display YouTube video details, analytics, and channel stats. Used TensorFlow Keras for text classification on video titles and descriptions to predict categories. Integrated a binary image classification model to categorize thumbnails and classify them into subcategories based on Beyond Exams.
- 2022 **Crime Prediction in Conversations**, [TEXT CLASSIFICATION COMPARISONS](#).
- Developed and evaluated text classification models to identify conversations leading to crime using Multinomial Naive Bayes, RNNs, CNNs, and pre-trained models like BERT and RoBERTa. Fine-tuned the best-performing model for high accuracy and contributed to public safety and natural language processing research.

## Skills

<b>Programming</b>	Python (Preferred), Java, C++ (basic), MySQL
<b>Databases</b>	MySQL
<b>Web Technologies</b>	HTML, CSS, JavaScript
<b>App Technologies</b>	Flutter, SwiftUI
<b>UI/UX &amp; Animation</b>	Figma, Framer, Rive, Spline
<b>Version Control</b>	Git

## Qualifications

- 2021 Qualified **DUET** with All India Rank (AIR) **22**.
- 2021 Qualified **JEE Mains** with All India Rank (AIR) **44691**, a total of 2.2 million students appeared this year.