ARYAN ABHIJIT DESHPANDE

+91 7620676628 | aryandeshpande.1517@gmail.com | LinkedIn | GitHub

EDUCATION:

- **VIT Bhopal University**, Sehore, Madhya Pradesh, India   CGPA: 8.07 (2022-26)
  B. Tech. in Computer Science & Engineering (AI & ML Specialization)
- **JSPM's Prodigy Public School** (CBSE), Pune, Maharashtra, India   *12th:* 75.4% (2021-22)
- **JSPM's Prodigy Public School** (CBSE), Pune, Maharashtra, India   *10th:* 86.6% (2019-20)

TECHNICAL SKILLS:

- **Programming Languages:** Python, Java, SQL (Intermediate proficiency).
- **Databases:** MySQL.
- **Concepts:** Data Science, Artificial Intelligence, Machine Learning, Applied ML.
- **Exposure:** Data Mining, Deep Learning (DL), Reinforcement Learning (RL), Natural Language Processing (NLP).
- **Libraries & Frameworks:** NumPy, PyTorch, Scikit-learn, TensorFlow, Hugging Face Transformers (basic).
- **Tools:** Jupyter Notebook, VS Code, Git, GitHub, Google Colab.

PROJECTS:

1) RDR2 based Next Word Prediction using GPT-2 Model:

- Built a next-word prediction system using GPT-2, fine-tuned on 1.38 lakh+ lines (5+ lakh characters) of the game "Red Dead Redemption 2" dialogues and scripts.
- Trained GPT-2 on over 30,000+ words from the game to achieve coherent next-word predictions for immersive gaming dialogue simulations.
- The goal was to generate contextually relevant words based on in-game quotes.
- Link: GPT2_RDR2_NextWord.

2) SMS Spam Classifier using Hybrid RNN-CNN Model:

- Designed a hybrid CNN-LSTM model for SMS spam detection, combining Conv1D layers (for local patterns) and LSTM layers (for long-term dependencies).
- Processed 5,000+ SMS messages using NLP techniques (cleaning, tokenization, padding, encoding), achieving 96% classification accuracy.
- Implemented data cleaning, tokenization, padding, and label encoding techniques as part of the NLP pipeline.
- Link: SMS-Spam-Classifier-RNN-CNN.

SOFTWARE & CREATIVE TOOLS:

- **Photo & Video Editing:** Proficient in Canva, Snapseed, PicsArt, DaVinci Resolve, and InShot for high-quality photo/video editing on mobile & desktop. Skilled in creative visual manipulation with precision.
- **Content Creation:** Created my own YouTube channel in June 2021 named "ARYAN D." (50+ subs), creating & editing gaming content (GTA, Minecraft). Self-taught multimedia skills like video recording, editing, thumbnail design, and audience engagement during COVID outbreak and now exploring advanced techniques for growth.

CERTIFICATIONS:

- **University of Michigan (Coursera)** - Applied Machine Learning in Python.
- **IBM** - Generative AI using Watsonx.
- **Ethnus Amazon Web Services** - AWS Solutions Architect - Associate Certification Program.
- **Swayam NPTEL** - Privacy and Security in Online Social Media.

PERSONAL INTERESTS & SOFT SKILLS:

- **Languages:** Fluent in English as well as in Marathi and Hindi.
- **Gaming & Tech Enthusiast:** Avid PC gamer with deep understanding of game mechanics, design, and industry trends; actively follows gaming news, mods, and digital distribution.
- **Creative & Analytical:** Skilled in traditional art (sketching, painting) and passionate about cricket—both playing and strategic discussions.
- **Community Engagement:** Active Reddit user, adept at navigating online forums and fostering discussions on gaming, tech, and pop culture.