

ARYAN ABHIJIT DESHPANDE

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Education

VIT Bhopal University , Sehore, MP, India	(2022 – 2026)
<i>B. Tech. in Computer Science and Engineering (AI and ML Specialization)</i>	CGPA: 8.07
JSPM's Prodigy Public School , Pune, MH, India	(2021 – 2022)
<i>CBSE 12th Grade</i>	75.4%
JSPM's Prodigy Public School , Pune, MH, India	(2019 – 2020)
<i>CBSE 10th Grade</i>	86.6%

Skills

Programming Languages: Java, Python, SQL.
Databases: MySQL.
Libraries and Frameworks: NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch.
Tools: Jupyter Notebook, VS Code, Git, GitHub, Google Colab, Canva.
Photo / Video Editing Software: DaVinci Resolve, Snapseed, PicsArt, InShot.
Content Creation: Video editing, thumbnail design.

Projects

Career Path Recommendation System using GPT-2 Model	GitHub
<i>(Python, GPT-2, NLP, Vercel, FastAPI)</i>	<i>May 2025 – Jun 2025</i>
<ul style="list-style-type: none">– Developed a career advisor that recommends roles across multiple fields by combining keyword-based matching with GPT-2 text generation.– Designed a simple interactive interface to capture user interests and follow-up answers for refined suggestions.– Deployed on Vercel using a FastAPI backend for accessible, browser-based interaction.	
RDR2 based Next Word Prediction using GPT-2 Model	GitHub
<i>(Python, GPT-2, NLP)</i>	<i>Mar 2025 – Apr 2025</i>
<ul style="list-style-type: none">– Built a next-word prediction system using GPT-2, fine-tuned on the entire dialogues and scripts of the 2018 game “Red Dead Redemption 2”.– Trained GPT-2 on over 30,000 words from the game to achieve coherent next-word predictions for immersive gaming dialogue simulations.– Goal was to generate contextually relevant words based on in-game quotes.	
SMS Spam Classifier using Hybrid RNN-CNN Model	GitHub
<i>(Python, CNN, LSTM, NLP)</i>	<i>Mar 2024 – May 2024</i>
<ul style="list-style-type: none">– Designed a hybrid CNN-LSTM model for SMS spam detection, combining Conv1D layers (for local patterns) and LSTM layers (for long-term dependencies).– Processed a dataset of over 5,000 SMS messages using NLP techniques (cleaning, tokenization, padding, encoding), achieving high classification accuracy.– Implemented data cleaning, tokenization, padding, and label encoding techniques as part of the NLP pipeline.	

Certifications

IBM: Generative AI using Watsonx
University of Michigan: Applied Machine Learning in Python

Personal Interests and Soft Skills

Languages: English, Marathi, Hindi (Fluent in all).
Tech and Gaming Enthusiast: Avid PC gamer, follows tech news, mods, digital distribution.
Creative: Skilled in traditional art (sketching, painting); passionate about cricket.
Soft Skills: Strong communication, teamwork, problem-solving and leadership abilities.