

ARYAN ABHIJIT DESHPANDE

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Education

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| 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.

Tools: Jupyter Notebook, VS Code, Git, GitHub, Google Colab.

Photo and Video Editing: Snapseed, PicsArt, DaVinci Resolve, InShot, Canva.

Content Creation: Video recording, editing, thumbnail design, audience engagement.

Projects

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| Career Path Recommendation System using GPT-2 Model | GitHub |
| <i>(Python, GPT-2, NLP, Vercel, FastAPI)</i> | May 2025 – June 2025 |
| <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 take user interests and follow-up answers for refined suggestions.– Deployed on Vercel using a FastAPI backend for accessible, browser-based interaction. | |

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| RDR2 based Next Word Prediction using GPT-2 Model | GitHub |
| <i>(Python, GPT-2, NLP)</i> | March 2025 – April 2025 |
| <ul style="list-style-type: none">– Built a next-word prediction system using GPT-2, fine-tuned on 1.38 lakh+ lines (5+ lakh characters) of "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.– Goal was to generate contextually relevant words based on in-game quotes. | |

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| SMS Spam Classifier using Hybrid RNN-CNN Model | GitHub |
| <i>(Python, CNN, LSTM, NLP)</i> | March 2024 – May 2024 |
| <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 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

University of Michigan: Applied Machine Learning in Python

IBM: Generative AI using Watsonx

Amazon Web Services: AWS Solutions Architect - Associate Certification Program

Swayam NPTEL: Privacy and Security in Online Social Media

Personal Interests and Soft Skills

Languages: English, Marathi, Hindi (Fluent in all mentioned).

Gaming and Tech Enthusiast: Avid PC gamer; follows gaming news, mods, digital distribution.

Creative and Analytical: Skilled in traditional art (sketching, painting); passionate about cricket.

Community Engagement and Soft Skills: Active Reddit user skilled in fostering discussions on online forums; strong communication, teamwork, problem-solving, and leadership abilities.