

Pranav Raghuvanshi

B.E. in Artificial Intelligence & Data Science

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.E.	Vivekanand Education Society's Institute of Technology, Chembur, Mumbai	8.87(SEM - VI)	2022-Present
HSC	CBSE Board	86.8%	2022
SSC	CBSE Board	84.6%	2020

EXPERIENCE

• VESIT - Summer Internship | Research Intern

May 2024 – July 2024

Deep Learning (Fetus Abnormality Classification)

- Engineered a multi-class CNN to classify fetal brain abnormalities by fine-tuning a EfficientNet model.
- Achieved a test accuracy of 90% and a weighted F1-score of 0.90, demonstrating high performance on a 16-class medical imaging problem.
- Key Technologies: Python, TensorFlow/Keras, Transfer Learning, CNN, OpenCV, Scikit-learn, Pandas.

PROJECTS

• URL Shortener

February 2025

Tools & Technologies: Node.js, Express, MongoDB, EJS



- Developed a web application for URL shortening and management using Node.js, Express and MongoDB.
- Implemented URL shortening, retrieval of original links, and user-friendly URL management, including deletion.

• Online Shoppers Purchasing Intention Prediction

April 2025

Tools & Technologies: Python, scikit-learn, Pandas, NumPy, Streamlit, Matplotlib, Seaborn.



- Developed a machine learning model to predict online shoppers' purchase intent from behavioral features.
- Performed feature engineering and trained multiple classifiers to optimize prediction accuracy.
- Deployed the best-performing XGBoost model via Streamlit with 92% accuracy and precision.

• RAG-Powered Research Paper Assistant

July 2025

Tools & Technologies: Python, Streamlit, ChromaDB, LangChain, Gemini API



- Built a RAG system to answer queries from PDFs or arXiv papers using semantic search and LLM-based response generation.
- Used SentenceTransformer for embeddings and stored them in ChromaDB for fast retrieval.
- Integrated a simple Streamlit UI for uploading, querying, and displaying grounded answers.

KEY COURSES TAKEN

- Relevant Course Work:** Data Structures, Computer Organization and Architecture, Theory Of Computation, Analysis of Algorithm, DBMS, Computer Network, Operating Systems, Data Warehousing and Management, Artificial Intelligence, Machine Learning.
- Certifications** Fundamentals of Deep Learning, Applications of AI for Anomaly Detection, SQL (Intermediate) Certificate

SKILLS

- Programming Languages:** Python, JavaScript, Java.
- Tools & Technologies:** Git, Github, NumPy, Pandas, Matplotlib, Sk-learn, Tensorflow, HTML, CSS, ExpressJs, NodeJs, StreamLit.
- Databases:** MySQL, Microsoft Server SQL Management Studio, MongoDB.

EXTRA CURRICULAR

- Solved 500+ DSA problems on Leetcode and GFG, enhancing problem-solving and coding skills.
- Competed in the V Code competition conducted by the Training and Placement Cell, showcasing coding proficiency under time constraints.
- Chosen among top 40 teams from 13,240+ registrations in VoyageHacks 2.0; advanced past the first round.