

# 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.