

GAURAV YADAV

Student

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PROFILE:

Aspiring Software Engineer and IT undergraduate at Mumbai University with a strong foundation in Computer Science (AI & ML). Proficient in Full Stack Application Development and Data Science, with experience bridging theoretical knowledge and practical application through various projects. Seeking an internship or entry-level position to expand expertise under experienced professionals. Possess strong communication and teamwork skills to complement technical proficiency.

INTERNSHIPS:

Bloomzen's Infosolutions (Aug 2022 - Oct 2022)

- Joined as a Web Developer Intern and focused on Front End Development for a restaurant website project.
- Contributed to the development of a web application using ReactJS for the frontend, Node.js for the backend, and MongoDB as the database.
 - Gained experience in the full software development lifecycle, from design to implementation.

EDUCATION:

University of Mumbai (2021-2025)

- B.E. - Computer Science & Engineering (AI & ML)

CERTIFICATIONS:

- Web Development (July 2022)
- Crash Course on Python (January 2023)
- Machine Learning (June 2023)
- Data Science (November 2023)
- Blockchain Development (March 2024)

SKILLS:

Programming Languages: Python, JavaScript, Solidity

Frameworks/Libraries: ReactJS, Node.js, Tensorflow, Tensorflow Hub (Mobilenetv2), Scikit-learn, Keras, Langchain, Flask, transformers

Databases: MongoDB, MySQL

Tools: Google Colab, Vertex AI, Gradio

Other: Data Structures and Algorithms, Machine Learning, Data Science, Artificial Intelligence, Blockchain(Ethereum), Deep Neural Networks, Numpy, Pandas, Matplotlib, axios, pipeline, better_profanity, pyttsx3, Speech Recognition

Soft Skills: Communication, Multitasking, Fast Learner, Team Management

PROJECTS:

Dog Breed Identification Model:

- Developed a Deep Learning model to identify dog breeds from uploaded images.
- Utilized the Tensorflow library (Google) to process images and labels into tensors for model training.
- Trained the model using Transfer Learning on a dataset of 10,000+ images from Kaggle, achieving an accuracy of over 99% on test data.

Blockchain Freight Network:

- This project leverages the Ethereum blockchain platform to develop a real-time web application tailored for logistics and shipping companies.
- The solution enhances transparency, security, and efficiency in tracking shipments, managing supply chains, and recording transactions in a tamper-proof manner.

Retrieval Augmented Generation (RAG) Model:

- Engineered a Retrieval Augmented Generation (RAG) AI model to function as a Question Answering (QA) bot for financial data.
- Designed the QA bot to extract and process financial terms and insights from Profit & Loss (P&L) tables within PDF documents.
- The bot retrieves relevant information on income, expenses, profit margins, and other key financial metrics to provide accurate and coherent responses.

Quality Analysis (QA) Bot:

- Created a Quality Analysis Bot to monitor and evaluate conversations in customer service or call centers.
- The bot processes real-time user interactions and recorded audio (MP3) from managers.
- Implemented speech-to-text conversion and analyzed sentiment, slang, cuss words, and profanity.
- Calculated an accuracy score for audio files to assess conversation quality, aiding businesses in improving agent performance and chatbot responses.

LANGUAGES:

- English
- Hindi
- Marathi

HOBBIES:

- Sports
- Movies
- Reading