

Aditya Wagh

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Work Experience

Project Developer – BigBuddy Foundation 2025

- Developed an OCR system using Python, Tesseract, and OpenAI API to extract data from documents and export structured results to Excel.
- Designed and developed a MERN-based Educational Skill Website for students (6–16 yrs) to enhance learning through interactive content and progress tracking.

Education

Vishwakarma Institute of Information Technology, Pune 2022–2026

B.Tech in Computer Science (AIML) — CGPA: 8.1

Projects

NeuroQuery: AI-Powered Database Query Assistant May 2025

- Developed a system that accepts voice or text queries, interprets user intent using NLP, and executes SQL-based actions for real-time data retrieval.
- Achieved 96% accuracy in intent classification; built with Python, Scikit-learn, and SQL, and designed for integration with Flask and React.

NewsGenie: Personalized News Summarizer & Recommender June 2025

- Created a full-stack application that fetches live news, summarizes articles using BART, and recommends content based on user preferences.
- Built with Flask and React; integrated Supabase for authentication and personalized feed generation.

Fake News Detection System Feb 2025

- Designed a text classification model using BERT and Hugging Face Transformers, achieving 93% accuracy in fake news detection.
- Implemented real-time NLP predictions using Scikit-learn and Python, including preprocessing, tokenization, and an end-to-end inference pipeline.

Facial Emotion Recognition Aug 2024

- Built a CNN-based model using FER-2013 dataset with 89% accuracy in live webcam input scenarios.
- Integrated OpenCV for multi-face detection and TensorFlow for model training and real-time inference.

Technical Skills

Languages & Scripting: Python, JavaScript, C++, Java, HTML, CSS, SQL, Bash

Frameworks & Libraries: React, Node.js, Express.js, Flask, TailwindCSS, NumPy, Pandas, Scikit-learn, TensorFlow, Transformers, Hugging Face, OpenCV, Matplotlib, NLTK, spaCy

Databases & Platforms: MySQL, MongoDB, SQLite, Supabase, Firebase

Tools & IDEs: Git, GitHub, VS Code, Jupyter Notebook, Android Studio, Postman, Docker (basic), Cursor AI

Soft Skills: Problem Solving, Communication, Teamwork, Time Management, Adaptability, Creativity, Quick Learner, Critical Thinking

Certificates

IBM Full Stack Software Developer (Coursera) Oct 2024

IBM AI Engineering (Coursera) Oct 2024

DSA (Infosys Springboard) Nov 2024

Achievements

- Shortlisted For round 3 Flipkart GRID 6.0 National Engineering Challenge (2024).
- Selected for Internal Round – Smart India Hackathon (SIH) 2024 at VIIT.
- Research Paper – Contextual Filler Word Detection using BERT and Prosodic Features (In Progress).

