Aditya Wagh

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Summary

AI/ML enthusiast with strong Python and deep learning skills, experienced in NLP, GenAI (BERT, BART), and image processing. Passionate about building real-world AI applications and contributing to research-driven innovation.

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 using BERT (LLM-based) May 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.

Technical Skills

Languages & Scripting: Python, Java, JavaScript, C++, HTML, CSS, SQL, Bash
Programming Concepts: Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA), Software Development Life Cycle (SDLC), Software Quality Engineering
Frameworks & Libraries: React, Node.js, Express.js, Flask, TailwindCSS, NumPy, Pandas, Scikit-learn, TensorFlow, Hugging Face, Transformers, Matplotlib, NLTK, spaCy
Image Processing: OpenCV, PIL (basic), image augmentation & preprocessing
Databases & Platforms: MySQL, MongoDB, SQLite, Supabase, Firebase
DevOps & Tools: Git, GitHub, Docker (basic), Postman, VS Code, Jupyter Notebook, Android Studio, Cursor AI, Version Control Systems (VCS)
Soft Skills: Problem Solving, Communication, Teamwork, Adaptability, Time Management, Self-Learning

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 (focused on GenAI-based speech enhancement (In Progress).