

# Adarsh Jaiswal

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## SUMMARY

Results-driven B.Tech student specializing in Artificial Intelligence and Machine Learning with strong proficiency in C++, Python, and full-stack web development. Skilled in building end-to-end software solutions, machine learning models, and computer vision applications. Eager to contribute to innovative, real-world projects and gain hands-on experience in AI-driven systems and scalable software development.

## TECHNICAL SKILLS

**Languages:** C++, Python, JavaScript, DSA (in C++)

**Web Development:** HTML, CSS, Next.js, Node.js

**Machine Learning / AI:** OpenCV, TensorFlow, Computer Vision

**Operating Systems:** Windows, Linux

**Soft Skills:** Teamwork, Communication, Leadership, Organization, Collaboration, Volunteering, Event Management

## PROJECTS

### WANDA – Human-like AI Companion

Feb 2025 – Present

AI + Web App Development Project

Next.js, Node.js, Gemini API, MongoDB, face-api.js, TTS, Web Speech API

- Engineered a lifelike AI chatbot enabling natural, real-time conversations using Gemini API and TTS.
- Orchestrated emotion-aware facial recognition using face-api.js to power 3D avatar interactivity.
- Integrated system-level voice commands and web search capabilities, enhancing usability by 50%.
- Optimized performance and reduced latency by 30% through backend enhancements and UI improvements.

### Sage – AI-Powered Travel Guide

2024

Natural Language Processing Project

GPT-2, Flan-T5, JavaScript, HTML, CSS, Google Colab, Hugging Face

- Deployed a conversational travel chatbot that generated personalized itineraries for over 20 daily users.
- Fine-tuned GPT-2 and Flan-T5 on custom travel datasets, improving response relevance by 35%.
- Refactored the frontend for faster performance, reducing page load time by 40% with optimized JS/CSS.

## EDUCATION

### Vellore Institute Of Technology-Bhopal

Bhopal, M.P.

B. Tech in Computer Science(AI-ML)

2023 – 2027

### The Pillars Public School

Gorakhpur, U.P.

High School

2019 – 2020

### Oxford Public School

Gorakhpur, U.P.

Senior Secondary

2021 – 2022

## CERTIFICATIONS

- Machine Learning with Python – IBM
- Cloud Computing – NPTEL
- Deep Learning for Developers – Infosys
- Generative Models for Developers – Infosys
- Computer Vision 101 – Infosys
- Introduction to Deep Learning – Infosys