

AYAN CHOWDHURY

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GitHub — LinkedIn

EDUCATION

Asansol Engineering College, Asansol, India Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning)	August 2023 – Present
Vijaya P.U College, Jayanagar, India Intermediate (Science) – Percentage: 84.33%	Passed: 2023
Assembly of God Church School, Sodepur, India Matriculate (Science) – Percentage: 82.33%	Passed: 2021

PROJECTS

Face Recognition Attendance System	Aug 2024 – Present
<ul style="list-style-type: none">Developed a real-time facial recognition system utilizing CNN deep learning models to automate attendance tracking with 98% accuracy.Reduced manual attendance time by 75% using automated data logging and real-time processing.Ensured compliant and secure identity verification through encrypted data storage.	
ZERO Chatbot	Aug 2024 – Present
<ul style="list-style-type: none">Developed ZERO, an AI-powered chatbot using FastAPI, LangChain, and Google Gemini for intelligent, context-aware conversations.Improved query retrieval efficiency by 40% using Faiss and integrated adaptive learning.Built a custom UI with Streamlit, increasing user engagement by 30%.	

SKILLS

Programming Languages: Python, C, C++, SQL
AI/ML Tools: TensorFlow, Keras, OpenCV, LangChain, FastAPI
Frameworks: Flask, Django, NextJS, ReactJS, NodeJS, ExpressJS
Web Technologies: HTML, CSS, JavaScript, Bootstrap
Databases: MongoDB, MySQL, Firebase, PostgreSQL
Cloud Tools: Google Cloud, AWS
Soft Skills: Problem Solving, Communication, Adaptability, Leadership
Languages: Bengali (Native), English (Full Professional), Hindi (Full Professional)

EXTRACURRICULAR

AIML Core Member – GDG on Campus, AEC	Sep 2024 – Present
<ul style="list-style-type: none">Led and organized AI/ML workshops for over 100+ students.Mentored peers on AI/ML projects, enhancing skills in AI, ML, and coding practices.Increased workshop participation rate by 25% through improved engagement strategies.	

CERTIFICATIONS

- Face Detection with OpenCV in Python - Great Learning.
- Building LLM Applications With Prompt Engineering - NVIDIA.