AYAN CHOWDHURY

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GitHub — LinkedIn

EDUCATION

Asansol Engineering College, Asansol, India | August 2023 – Present
Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning)

Vijaya P.U College, Jayanagar, India | Passed: 2023
Intermediate (Science) – Percentage: 84.33%

Assembly of God Church School, Sodepur, India | Passed: 2021
Matriculate (Science) – Percentage: 82.33%

PROJECTS

Face Recognition Attendance System | Aug 2024 – Present

- 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

- 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++, JavaScript, SQL, NoSQL
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

- 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.