


MAYANK BHUSHAN

IT STUDENT

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Pre-Final year IT student (CGPA: 8.86) at IIIT Bhubaneswar with hands-on experience in AI-ML , Web Development and Programming languages.

CONTACT

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EDUCATION

- **B.TECH -IT BRANCH IIIT BHUBANESWAR - 2022 TO 2026**
 - **GRADE - 8.86(CGPA)**
- **CLASS 12 S.R. PUBLIC SCHOOL, KOTA, RAJASTHAN**
 - **GRADE - 90%**
- **CLASS 10 ST. MARY'S HIGHER SECONDARY SCHOOL, JHARSUGUDA, ODISHA**
 - **GRADE - 95.6%**

EXPERIENCE

SUMMER INTERN

NIT-Raipur May 2024 - June 2024

- Collaborated on 2 research papers under Prof. Jitendra Rout.
- "Achieved 96% accuracy in deep learning-based anemia detection using conjunctiva images."
- Developed integrated models for stock market prediction, enhancing skills in machine learning and data analysis.

AI & ROBOTICS APPRENTICE


IIIT-Allahabad June 2024 - August 2024

- Completed 45-day AI and Robotics training at IIIT Allahabad.
- Gained hands-on experience in AI solutions and robotics.

RELEVANT SKILLS

- **Programming Languages:** Python , Java , C , C++
- **Deep Learning , Machine Learning , Artificial Intelligence (AI) , Large Language Models (LLM)**
- **Frameworks :** MediaPipe, Streamlit, FAISS, LangChain, TensorFlow, PyTorch, Keras,
- **Image Processing & Computer Vision :** - OPEN CV , YOLO
- **Visualization:** Seaborn, Matplotlib
- **Development:** JavaScript , HTML , CSS , FastAPI
- **Data Management:** DBMS (MySQL,)
- **General Skills:** Project-based Learning | Data Structures | Problem Solving


PROJECTS


ACTM: AI-based traffic control system , dynamic signal adjustments based on congestion and a unique Nodal Approach to display upcoming traffic levels. **Tech Stack-OpenCV, YOLO, real-time sensors, AI algorithms.** 


Samay_Video_Subtitle: A web app that generates and integrates subtitles into videos.


Tech used-Python, FastAPI, Streamlit, Whisper AI, ffmpeg. 

MultiLang-STT: AI-powered Speech-to-Text (STT) system capable of transcribing audio in multiple languages. 

Tech Stack: FastAPI, Whisper (OpenAI), PyTorch, Python, GPU acceleration, and JSON-based APIs. 

CCTV Face Detection System: Built an AI tool for face detection using **OpenCV, MediaPipe, FastAPI,** with blur classification and image enhancement (**Real-ESRGAN, GFPGAN**). 

Samay ChatPDF: Designed a PDF chatbot with **FAISS, LangChain, and Gemini Pro** for question-answering using **Google Generative AI.** 

Samay AI Assistant: Developed a voice-enabled AI assistant using Streamlit and Gemini Pro with speech-to-text and text-to-speech features. 

CLICK HERE 

ACHIEVMENTS

- **ADVANCED TO THE FINAL ROUND OF IIIT GWALIOR HACKATHON WITH PROJECT ACTM.**
- **RANKED IN THE TOP 5% OF ADOBE GENSOLVE, A NATIONAL HACKATHON BY ADOBE FOCUSING ON AI AND REAL-WORLD PROBLEM-SOLVING.**