Akash Majhi

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Education

Jalpaiguri Government Engineering College CGPA: 8.00 (till 4th Sem)
Bachelor of Technology in Computer Science and Engineering Sep 2023 – Jun 2027 (Expected)

Experience

Summer Intern – Conversational AI in Healthcare Jun 2025 – Jul 2025
National Institute of Technology (NIT) Jamshedpur Jamshedpur, India

- Built a Healthcare Question Answering System using Transformer-based (BERT) and RAG approaches.
- Implemented data preprocessing, tokenization, and training using Hugging Face, FAISS, and LangChain.
- Built a user-friendly chatbot interface with Gradio for real-time medical Q&A.

Ethical Hacking & Penetration Testing Intern Jul 2024 – Sep 2024
Centre for Development of Advanced Computing (C-DAC), NOIDA

- Completed certified virtual internship under Cyber Gyan Project.
- Learned ethical hacking tools, techniques, and penetration testing methods.

Projects

Tic Tac Toe Game – Link

- A basic Tic Tac Toe game made using C++, two players can play at a time.

Bubble Hit Game – Link

- Built an interactive number-matching bubble game with scoring, countdown timer, and dynamic updates.
- Implemented using HTML, CSS, and JavaScript.

House Price Prediction – Link

- Built ML model on Boston dataset with preprocessing, feature selection, interface using Gradio.
- Trained and evaluated XGBoost regressor with R^2 score for predicting house prices.

YouTube Chatbot – Link

- Built an intelligent chatbot using LangChain and RAG to answer user queries about a YouTube video.
- Integrated video transcription, embedding, and vector search for context-aware Q&A.

Flappy Bird – Android Game – Link

- Developed a Flappy Bird clone in Unity (C#) optimized for Android devices.
- Implemented three difficulty levels, score tracking, focus on game physics and UI design.

Car Controller Game – Link

- Built a 3D endless car runner game in Unity with car controls and traffic.
- Added scoring and UI to display speed and distance.

Technical Skills

Languages: C++, C, Python, C#, HTML, CSS, JavaScript, SQL.
Tools & Platforms: Unity, GitHub, VS Code, Kaggle, Google Colab, Canva, Figma, Blender.
Machine Learning: Pandas, NumPy, Matplotlib, Scikit-learn, Transformers, RAG, Gradio.
Coding Profiles: Leetcode – Link, Codechef – Link.