Amber Bagchi

+91 6205681510 - Email - LinkedIn - GitHub - Portfolio

EDUCATION

Bachelors in Technology   **Amity University Jharkhand**
Computer Science Engineering, CGPA - 8.56   *Aug 2021 – May 2025 (Expected)*
Intermediate   **BBP Inter College, Jharkhand**
Percentage - 68
Matriculation   **Mother's Intnl Academy, Madhupur,Jharkhand**
CGPA - 8.00

TECHNICAL SKILLS

Languages: Python, C, C++.
Libraries and Tools: Sklearn, Pandas, Numpy, Langchain, Hugging Face.
Databases: MySql, MongoDB, Vector Databases (Pinecone).
CI/CD and Version Control: GitHub, MLflow, DVC.
Web Frameworks and Development: Flask, Streamlit, Chainlit.
Interests: Machine Learning, Deep Learning, Natural Language Processing, Generative AI.

WORK EXPERIENCE

- **AI/ML Intern** – NathCorp Inc   *Jul 2024 – Sep 2024*
  Built a multimodal medical chatbot using Llama 3 with LangChain, Hugging Face, and Flask, integrating voice input and real-time AI responses for seamless user interaction via a web interface. [Certificate]

- **Software Engineer Intern** – Surusha Technology Pvt Ltd   *Dec 2023 – Jun 2024*
  Developed an interactive eCommerce chatbot with Pinecone vector search and JSON-based product search logic, enhancing user engagement and product discovery efficiency. [Certificate]

PROJECTS

- **Jarvis AI - Digital Assistant:** Developed a voice-controlled assistant with speech processing, system automation, real-time web search, AI chatbot, and image generation using Hugging Face and Groq API. GitHub

- **Kidney Disease Classification:** Built a VGG16-based ML pipeline with MLflow and DVC for tracking, reproducibility, and real-time kidney disease prediction. GitHub

- **Gemini SQL Query App:** Created a Streamlit app that converts natural language to SQL using Google Gemini, querying an SQLite-based eCommerce inventory. GitHub

- **ANN-data – AI for Agriculture:** Built a multi-component AI solution for sustainable agriculture. Contributed the crop yield prediction module using logistic regression on historical data to support precision farming decisions. GitHub

LICENCES AND CERTIFICATIONS

- Data Analytics with Python, NPTEL   Link
- Foundational Generative AI, iNeuron   Link

EXTRACURRICULAR ACTIVITIES

- **Hackathon Participant:** at IIT Dhanbad - February 2024

- **Hackathon Participant:** at BIT Meshra - September 2023

- **Event Coordinator:** in University - April - 2024

- **Volunteer Mentor:** in Univesrity Tech Event - December - 2023