Yash Bhardwaj

📞 9996872376 ✉ b523075@iiit-bh.ac.in 🔗 linkedin.com/in/yash-bhardwaj ⌂ github.com/bhardwaj-yash1

Professional Summary

Computer Engineering student with proven skills in Machine Learning, NLP, and MLOps. Possesses a strong ability to build and deploy end-to-end AI applications, from initial data analysis to containerized deployment. Seeking an AI or Data Science internship to contribute to impactful projects and further develop technical skills.

Education

International Institute of Information Technology   **Expected Graduation: Aug 2027**
Bachelor of Computer Engineering — Minor Artificial Intelligence   *Bhubaneswar, India*

- GPA: 7.86/ 10
- Courses: Data Structure and Algorithms, Object Oriented Programming, DBMS,Computer Architecture, Linear Algebra

Projects

DriftRadar | *Source Code*   **ReactJS | Docker | Generative AI (Llama 3) | FastAPI | PostgreSQL**
- Developed a **production-grade MLOps platform** to detect and monitor **data/model drift** in real time.
- Built a **FastAPI REST backend** (PSI, Wasserstein distance) with a **React.js dashboard** for visualization .
- Integrated **Generative AI (Llama 3)** for automated root-cause analysis and **containerized with Docker** for scalable deployment and aligning with modern **CI/CD best practices**.

Animal Disease Detection Model | *Source Code*   **Python | Scikit-learn | Pandas | Streamlit | SHAP**
- Built an **XGBoost classification model** on **43k+ clinical records**, achieving **92% accuracy**.
- Applied **EDA, preprocessing, and feature engineering** to address **class imbalance**, optimizing **Macro-F1 and ROC-AUC**.
- Integrated **SHAP (Explainable AI)** for interpretable predictions in **clinical decision support**.

FAQ Bot for Discord | *Source Code*   **Python | Scikit-learn | Discord.py | NLTK**
- Designed an **NLP pipeline** with **NLTK** (tokenization, lemmatization, stopword removal) for query understanding.
- Trained a **TF-IDF + Logistic Regression** model to achieve **85% intent classification accuracy**.
- Automated **real-time query resolution** on Discord, providing 24/7 user support.

Leadership & Extracurriculars

Film and Theater Society, IIIT Bhubaneswar   **Aug 2023 − May 2025**
- Edited and produced 15+ event promotion videos, boosting engagement by 30%.
- Led a 4-member media team for the annual fest, managing live coverage and media production.

Advaita Techno-Cultural Fest, IIIT Bhubaneswar   **Core Team**
- Coordinated logistics for 10+ events, ensuring smooth execution.
- Organized Inter-College Robo Soccer Competition with 100+ participants.

Technical Skills

Programming & Databases	Python, SQL, C++, JavaScript, R (basic)
Machine Learning	Scikit-learn, XGBoost, Random Forest, TensorFlow, PyTorch, SHAP
Data Science & Analytics	Pandas, NumPy, Exploratory Data Analysis (EDA), Data Visualization (Matplotlib, Seaborn), Data Analytics
NLP & AI	NLTK, TF-IDF, Generative AI (LLMs), Intent Classification, Transformers (basic)
MLOps & Deployment	FastAPI, REST, Docker, Model Monitoring (Evidently), CI/CD
Web & Tools	React.js, Streamlit, PostgreSQL, Git, GitHub, Jupyter, VS Code