

# CH AARUSH UDBHAV

## APPLIED AI & MACHINE LEARNING INTERN

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**AI & ML** undergraduate with hands-on experience in applied Artificial Intelligence and Machine Learning systems using **Python** and **scikit-learn**. Built **AI-driven** and **ML-based** solutions across internships and projects involving Data preprocessing, **NLP-based** generation, **Computer Vision**, and full-stack **Deep Learning** deployments on real-world datasets.

### PROFESSIONAL EXPERIENCE

**AI Intern – Launched Global** Mar 2025 – Jul 2025

- Built applied AI solutions integrating machine learning models using real-world datasets.
- Worked across end-to-end applied AI workflows including data preprocessing, feature engineering, and model evaluation.

**Software Development Intern (AIML) – BharatVersity, Codemania EduTech** Jun 2025 – Jul 2025

- Developed AI-driven software components with integrated ML models for real-world applications.
- Collaborated with mentors to enhance product features and optimize model performance.

### PROJECTS

[ClinicalVision AI – Multi-Modal Diagnostic Engine \(Next.js, Hugging Face, Docker\)](#) March 2026 - Present

- Engineered a Dockerized FastAPI and ResNet-50 multi-modal AI using Grad-CAM/SHAP explainability to predict Diabetic Foot Ulcer severity.

[Nexus Neural Search](#) December 2025 - Present

- AI-powered hybrid search system using Qdrant and Mistral-7B for context-aware semantic retrieval.
- Built a RAG-based generative pipeline for real-time AI poster and metadata generation using diffusion models.

[Intelligent Excuse Generator \(FastAPI, OpenAI\)](#) July 2025 - Present

- Applied AI and NLP-based system for context-aware excuse/apology generation with multilingual support, ranking logic, and automated email/audio alerts.

### SKILLS

**AI / GenAI:** LLMs (OpenAI, Mistral), Semantic Search, RAG, Qdrant, PyTorch, Computer Vision, XAI, Grad-CAM, SHAP

**Machine Learning:** Regression, Classification, Clustering (KMeans), PCA, Model Evaluation

**Deep Learning:** Neural Networks, CNNs

**Libraries & Tools:** NumPy, Pandas, scikit-learn, FastAPI, OpenCV, Hugging Face

**Programming:** Python, Java, C/C++, JavaScript

**Dev Tools:** Git/GitHub, Docker, REST APIs, CI/CD (GitHub Actions), HTML/CSS

### EDUCATION

**Bachelor of Technology in Computer Science (AIML)** June 2023 - Present

GITAM Hyderabad (Deemed To Be University)

- CGPA: 7.93 / 10

**Higher Secondary (Grade XI–XII)** June 2020 - May 2022

Shantiniketan International School - Cambridge International Education (CIE)

- GPA: 7.13 / 10

### SKILLS & ADDITIONAL INFO

- **Certifications:**
  - Deloitte Technology Job Simulation – Forage
  - Deloitte Data Analytics Virtual Job Simulation – Forage
  - Smart India Hackathon 2024 (National Level)
  - Smart India Hackathon 2023 (National Level)
  - AI Day Hackathon 2026