

Education

ABES INSTITUTE OF TECHNOLOGY, Ghaziabad

Oct.2022-Sept.2026

Bachelor of Technology in Computer Science (Artificial Intelligence)

Experience

Machine Learning Intern @ CodeCraft InfoTech

Jul. 2025 - Aug. 2025

I gained hands-on experience in Machine Learning within a structured program. I developed models for various applications, including implementing a linear regression model to predict house prices. I also created a K-means clustering algorithm to group retail customers. My work extended to image classification, where I implemented a Support Vector Machine (SVM) to classify images of cats and dogs. Furthermore, I developed a hand gesture recognition model for human-computer interaction. Finally, I developed a model that could accurately recognize food items from images and estimate their calorie content.

Trainee @NVIDIA(DGXA 100)

Sep. 2024 - Jun. 2025

I gained extensive hands-on experience working directly with cutting-edge NVIDIA DGX-A100 systems. This involved direct training on the powerful DGXA100 GPUs, allowing me to understand their capabilities for accelerated computing in AI. I also became highly proficient in utilizing various NVIDIA tools and frameworks that are essential for advanced AI development. Furthermore, I acquired practical, hands-on experience in the crucial process of deploying Machine Learning Projects specifically within the DGXA100 environment

COLLABSPACE (Creative Team)

Sept. 2022 -Jan. 2023

I actively contributed to fostering a positive and productive environment. My role involved promoting collaboration, enhancing adaptability, and encouraging innovation in design approaches. I also focused on improving communication channels. Ultimately, my designs added significant value to the organization.

Technical Skills

Languages: Python, Dart, HTML/CSS, SQL

Developer Tools: Git, GitHub, Figma, Canva

Interpersonal Skills: Networking, Project Management, Project Planning, Creative Thinking, Problem Solving

Frameworks & Libraries: Django, Flask, Firebase, MYSQL, TensorFlow, PyTorch, NumPy, Pandas, Streamlit, matplotlib, scikit-learn, Pymilvus, TensorRT

Projects

Multi-Person Face Recognition | Python, TensorFlow, PyTorch, OpenCV, DeepSORT, TensorRT

Dataset Management and Preprocessing at Scale • High-Performance Model Training and Optimization • Efficient Multi-Person Detection and Tracking • Scalable Feature Extraction and Matching • Real-Time Inference and Deployment

BookBot | Python, Streamlit, Pandas, NumPy, LLM, FAISS, OpenAI Python Library

Developed a personal chatbot leveraging a Large Language Model (LLM) to enhance personal productivity through information retrieval and note summarization, or provide personalized assistance for creative writing and task management. Gained practical experience in LLM integration, and API interaction.

DocFusion | Python, Streamlit, Pymilvus, ModelGemini, LLMPrompt, ToLatex

Developed "Doc Fusion," an ML-powered system for the automatic summarization of multiple documents in PDF and LaTeX formats. Implemented techniques for extractive and abstractive summarization, transformer models, text preprocessing to generate coherent and concise summaries from diverse document sources. Demonstrated expertise in natural language processing, machine learning, document processing, and handling different file formats.

Personalized Travel Planner & Recommendation App | Python, Streamlit, Pandas, Matplotlib, Vercel

This project involved developing and deploying a personalized travel application that offers tailored recommendations based on user input (location, budget, time). The application utilizes a data-driven model for expense estimation and optimized exploration, with an intuitive Streamlit UI. It leverages Pandas for data management and Matplotlib for visualization, and is deployed on Vercel for real-time accessibility.

Voice Assistant using Python | Python

• Listen: To listen to the words of the user. • Process: To process and convert the user-input data. • Speak: To speak to the user in a pre-defined manner.

Recognitions

SIH 2024 INTERNAL HACKATHON TOP 30

ABES Institute of Technology | 2024

SIH 2023 INTERNAL HACKATHON TOP 30

ABES Institute of Technology | 2023

INCLUDE <HER> COHORT 4.0

Azure Developer Community | 2023

TOP 24 HACK@BVP 5.0

Bhartiya Vidyapeeth College of Engineering | 2023

TOP 10 DEV-On Hackathon

GL Bajaj Institute of Technology and Management | 2023