

EDUCATION	
Vellore Institute of Technology B.Tech in Computer Science; GPA: 8.23	November 2022 - May 2026 Bhopal, India
Delhi Public School Kolar Road Class - XII (CBSE), Grade : 87.8%	March 2021 - May 2022 Bhopal, India
Delhi Public School Kolar Road Class -X (CBSE) ,Grade - 89%	March 2019 - May 2020 Bhopal,India

TECHNICAL SKILLS	
<ul style="list-style-type: none">●Languages: Python, SQL, C++● Machine Learning: Classification, Regression, XGBoost● Deep Learning Frameworks: Tensorflow, CNNs, LangChain● NLP & Generative AI: FAISS, Vector Stores, Tokenization, Text Classification● Computer Vision: OpenCV, Image Processing, Object Detection● Data Processing & Analytics: Pandas, NumPy, Matplotlib, Seaborn● Cloud & Deployment: AWS, Streamlit, Flask	

EXPERIENCE	
Data Science and Analytics Intern Zidio Development	January 2025 - February 2025
<ul style="list-style-type: none">○ Automated data preprocessing and analysis pipelines in Python, reducing manual processing time by 70%.○ Applied 4+ ML algorithms (e.g., K-Means, Logistic Regression) to test model accuracy and cluster patterns, achieving up to 88% prediction accuracy.○ Collaborated with a team of 3 interns to deliver a mini data science solution on time and presented findings to senior developers.	

PROJECTS	
YOLOv8 -Real Time Object Detection	May 2025 - Present
<ul style="list-style-type: none">○ Developed a real-time object detection system using YOLOv8 and OpenCV to analyze video files, achieving high detection accuracy across multiple object classes.○ Processed video frames and applied bounding boxes using OpenCV and Ultralytics enabling efficient multi-class object tracking in real time.○ This project demonstrates deep learning integration for practical computer vision tasks.	
Asteroid Classification using XGBoost	September 2024
<ul style="list-style-type: none">○ Developed an XGBoost-based classification model to predict hazardous asteroids.○ Achieved 92% accuracy on NASA's asteroid dataset by optimizing hyperparameters.○ Engineered and selected critical features to improve model precision, minimizing false positives in hazardous object classification.	
Intelligent Conversational System on PDF Files	March 2024 - April 2024
<ul style="list-style-type: none">○ Used NLP techniques like tokenization, text classification, and keyword matching to identify and extract key sections from PDF documents using PyPDF2, Faiss, and Vector Store.○ Implemented semantic search by converting PDF content into vector embeddings and enabling context-aware responses through LLM-powered text generation.○ Developed interactive conservation python app using Streamlit, LangChain, and Google Generative AI to generate human-like responses from PDFs.	

CERTIFICATIONS	
Marketing Analytics (NPTEL)	May 2025
<ul style="list-style-type: none">○ Scored 81% (Top 5% of 1544 candidates).○ Covered Marketing metrics, data analysis, regression, segmentation, CLV, A/B testing.	
AWS Solutions Architect- Associate Certification Program (Ethnus)	April 2025
<ul style="list-style-type: none">○ Gained expertise in designing highly available, cost-efficient, and scalable cloud architectures.○ Hands-on knowledge of VPC, EC2, S3, RDS, IAM, Load Balancing, and Auto Scaling.	
Artificial Intelligence (SmartInternz)	April 2025
<ul style="list-style-type: none">○ Built a deep learning model using CNNs/ViTs to classify jellyfish species, aiding marine biodiversity monitoring.○ Aimed to assist marine biologists and conservationists in biodiversity research and population monitoring.	

EXTRA CURRICULARS	
Social Work Intern Kshitiksha Foundation	June 2023 - July 2023
<ul style="list-style-type: none">○ Volunteered at Kshitiksha Foundation to distribute food, plant trees, and care for stray animals, promoting sustainability and social welfare.○ Participated in digital literacy initiatives, tutoring 10 students on using online learning platforms and software, thereby bridging the digital divide and enriching educational experiences in the most vulnerable community.	