

Manas Tripathi

Ex Intern @ Hinnts Consultancy | SDE @Techginity | IIIT Noida CSE |Tech Enthusiast

I aspire to pursue a challenging role that fosters growth and allows me to further develop my skills, ultimately contributing to the organization's success while continuously enhancing my own capabilities

EDUCATIONAL QUALIFICATIONS

B. Tech, Information Technology	IIIT Noida	7.5/10	2024
Class XII, CBSE	Ryan International School, Surat	86%	2020
Class X, ICSE	Lilavatibai Podar Sr. Secondary School, Mumbai	90.80%	2018
Skills	Machine Learning, Deep Learning, Web Scrapping, Python, C++, HTML, DBMS, PowerBI, Linux, n8n, AWS, RAG-powered applications.		

WORK EXPERIENCE

Techginity	Software Developer, Machine Learning	Jan '24 – present
Fine Tune LLMs	▪ Fine-tuned open source LLMs on custom datasets, enhancing model performance for targeted applns.	
AI Avatar	▪ Created a personalized AI avatar using LipSync and LipGan to be utilized in the marketing domain	
Scrapping	▪ Mastered web scraping with Selenium to efficiently build datasets for Recommendation systems	
Stable Diffusion	▪ Generated high-quality images from text using Stable Diffusion and GenAI tools via prompt engineering .	
GPU Optimization	▪ Optimized GPU usage achieving a 10x reduction in computation time and improving memory efficiency for a research-based finetuning project for Stanford University	
Multi-modal engine	▪ Lead programmer in creating a 3 layered engine service (ingestion, retrieval & insights) using Agentic framework to build a multimodal enterprise grade RAG based chat engine	
Client PoC	▪ Collaborated in building a GenAi powered document verification application and reduced dependency on human in loop as well time for report generation by 30%	
Hinnts Consultancy	Intern, Data and Research	May '23 – July '23
Analysis	▪ Analyzed a company's employee dataset & drew 20+ insights through visualizations to increase their well-being & productivity	
Database Mgmt.	▪ Designed the database schema and framework using MySQL for improving data quality & efficiency	
Extraction & Automation	▪ Developed and automated a module for extracting raw data from the source using Google Authentication which would then process and perform time series analysis on a given dataset	

ACADEMIC PROJECTS

Multi-label Sentiment Analysis (ML)	▪ Implemented major Deep Learning Algorithms LSTM, CNN and Bi-LSTM using 2-word embeddings to perform comparative analysis on 2 datasets across 10+ features ▪ Successfully concluded LSTM model as suitable model with an accuracy of 86% ▪ Scraped and manually annotated the information dataset consisting of more than ~2k tweets	2022
Hate Speech Detection (ML)	▪ Implemented deep learning models to identify the political alignment of user based on their tweet ▪ Developed a polarization meter interface to display the sentiment of the tweets under 3 labels ▪ Determined a likelihood of ~27% of the users to be polarized by implementing a metric score ▪ Performed time series analysis to determine changes in user stance over a period of time	2023

ACADEMIC ACHIEVEMENTS

Certifications	▪ Awarded ' Elite+ Silver Merit ' Certification in Affective Computing by the NPTEL organization	2024
	▪ Completed the course Deep Learning Foundations to Stable Diffusion by Jeremy Howard	2024
	▪ Completed the course PyTorch for Deep Learning Boot Camp by Andrei Neagoie.	2022
	▪ Aced certificate courses of Python and Machine Learning Boot Camp by Pierian Training	2022
Academics	▪ Scored AA Grade (10/10) in Final Year Major Project & A Grade (9/10) in both minor Projects	2023
	▪ Received Merit Holder Award for coming in Top 40 among 600+ students in ICSE class 10th	2018
Olympiads	▪ Secured State Rank 41 in International English Laureate Olympiad (L1) among 2L+ students	2015

POSITIONS OF RESPONSIBILITY

Head, OSA Optica	▪ Coordinated 10+ flagship events in JSCOP 5.0 and spearheaded recruitment of 30+ members	2023
	▪ Negotiated 2 sponsorships worth 25k & brought 2 media partners for annual event JSCOP 4.0.	2022
Head, Eloquence LitSoc	▪ Launched ' ThyEloquence ' blog page to provide a writing platform to students across the Campus	2024
	▪ Organized 10+ intra-college literary competitions attracting a participation of over 100+ students ▪ Anchored events held under Jaypee Youth Club; Conducted sessions on script writing & hosting	2023

EXTRA-CURRICULAR ACTIVITIES

Sports	▪ Gold Medalist in Intra-College Football Competition among 15+ teams across all 4 IIIT Campuses ▪ Semi-Finalist in IIT Delhi Sports Fest'22 as part of Jaypee Football team among 12 participating teams			
Public Speaking	▪ Secured 1st Prize in the ' Nazm ' Poetry Competition at Lady Shri Ram College across 25+ participants			
Social Work	▪ Volunteered in Teaching Sessions for under-privileged kids and blood donation drives conducted by NSS			
Interests	Writing @ thecarpediempoetry	Football	Playing Guitar	Public Speaking