

YASH ANCHALIYA

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
IDD	Bio-Medical Engineering IIT (BHU), Varanasi	8.30	2024
CBSE (XII)	GURU SIDDHARTH INT SCHOOL BEAWAR	88.200	2018
CBSE (X)	ST PAUL'S SR SEC SCHOOL BEAWAR	91.200	2016

SKILLS

- **Language** - C++, Python.
- **Technologies** - Numpy, Pandas, OpenCV, Sklearn, Matplotlib, Pytorch, Keras, Tensorflow, Git.
- **Interest** - DSA, Machine Learning, Deep Learning, Computer Vision, Generative AI, NLP, Statistics, OOPS.

INTERNSHIP/TRAINING

Data Science Intern | Walmart

May 2023 - July 2023

Automated Creative Generation using Generative AI

- Worked in **Generative AI** Advertising Tech team to build **automated creatives** for advertisers using **Stable Diffusion**.
- Created whole pipeline for Automated Creative Generation from scratch using **Open Source Stable Diffusion API**.
- Assessed **Background-Removal Algorithms** for single product images with white background from Walmart's catalog. Evaluated heuristic methods, **U2Net**, and SOTA segmentation algorithms (**Segment-Anything-Model**).
- Tested various **hypothesis** related to Product extension, placement, Hyperparameters tuning and Segmentation
- **Exposure**: Image Processing | Segmentation | Stable Diffusion | Segment-Anything-Model | Open-CV | Python.

Product Management Intern | Frontrow

15 May 2021 - 15 July 2021

Frontrow : EdTech start-up for non academic courses like Singing, Gaming, Music

- Analyzed **conversion funnel** data to uncover **drop-off** and **retention rates**, and performed **Cohort analysis**.
- Boosted Challenge tab **conversion** by leveraging **data analysis** through CleverTap and Metabase
- Collaborated with gaming experts, designers, and the feature team to ensure an exceptional user experience.
- **Exposure** : Data Analysis | Product Management | CleverTap | Mixpanel

PROJECTS

Character Level Language Model

Aug 2022 - Sept 2022

- Built a Character Level Language Model to **generate names** using **Counting** and **Multi-Layer Perceptron**.
- Data consist of **32k names**. Training data uses the previous **3 characters** to predict the **next character**.
- Used MLP Language model [on the lines of bengio paper](#) with **Negative log-likelihood loss** of 2.45.
- **Exposure** : Python | Pytorch | Deep Learning.

Nanograd

Nov 2022 - Dec 2022

- It is an **automatic differentiation engine** similar to PyTorch Autograd built from scratch in python using **OOPS**.
- Build Multi-layer perceptron from scratch using **classes** and used Nanograd for **backpropagation**.
- Used **GraphViz** Library to visualize Computational Graphs for Forward and Backward Propagation.
- **Exposure**: Python, Deep Learning, OOPS

Survival Analysis of Pancreatic-Cancer

May 2022 - June 2022

- Data has been collected from the research paper [Computational Modeling of Pancreatic Cancer](#).
- Data consists of **101 patients** with info regarding **cancer progression from diagnosis till death**.
- Utilized **Kaplan-Meier Curves** to predict **5-year survival** in pancreatic cancer patients and identified a significant correlation between tumor surgery and extended survival (**p < 0.05**).
- **Exposure** : Python | Survival Analysis | Statistics.

CERTIFIED COURSES

- **Image Processing** (BM-502)
- **AI and its applications in Biomedical Engineering** (BM511)
- **Intelligent Computing** (CSE 342)

HONOURS AND ACHIEVEMENTS

- Selected among top **2%** out of **4.5L+** candidates across India in Embark'21 conducted by Upraised.
- Solved **1000+ problems** on various online judges like **Leetcode** and **Codeforces**.
- **Finalist** in **Data Science** Hackathon Organized by Kharagpur Data Analytics Group IIT Kharagpur.

T: 6376328119 **E:** yashanchaliya2000@gmail.com **Address:** HNO 7 Kundan Bhawan Gali Beawar