

Apoorv Sharma

Software Engineer | 3 Years Exp.

✉ apoorvsharmabwr@gmail.com

📍 Gurgaon, India

🐙 github.com/apoorvbwr

☎ +919057279449

🌐 linkedin.com/in/apoorvsharma98

WORK EXPERIENCE

Software Engineer

AdGlobal 360

10/2023 - Present

Gurugram, India

Tasks

- Developed an image processing service that leverages the **Meta Segment Anything Model (SAM)** for image segmentation.
- The service primary function is to remove the background of images, enhancing the focus on the main subject.
- Enhanced the image processing by incorporating image segmentation techniques, which included **masking** and **annotation**.
- Developed a feature for masking images, which involves setting certain pixel values in the image to zero or other values to isolate specific portions of the image.
- Engineered a **custom bounding box** feature that allows users to manually select areas of interest on images.
- This feature provides flexibility for users to focus on specific parts of an image, enhancing the usability of the image processing.
- The service demonstrated significant potential in various applications, including photo editing, object detection, and augmented reality.

Junior Software Engineer

AdGlobal 360

05/2021 - 10/2023

Gurugram, India

Tasks

- Build a full-fledged working Rest API in Python Using **FastAPI** Implemented various API design and also implemented Alembic Data Migration
- In order to ensure the request and response of API in particular way implemented **pydantic** models and implemented **SqlAlchemy** In order to optimize database performance.
- Developed an efficient automation testing framework, reducing smoke testing time by **90%** and streamlining report generation. This optimization enhanced testing efficiency and quality

Intern

Tech Mahindra

01/2021 - 05/2021

Pune, India

Tasks

- Automated the process of collecting data by performing **web scrapping** via python by downloading pdf's of various medicines and used downloaded files to train model
- Performed **Word Embedding** on the data using **WORD2VEC**.
- Main Aim was to Identify the changes done in **one pdf** and reflecting them in **other pdf** by updating the existing files.
- Checking the similarities with the help of **cosine similarity or Euclidean distance** between the various data frames created.

Personal Project

Climate Visibility

Tasks

- Wafer is a piece of silicon or other semiconductor material, designed in the form of a very thin disc. Wafers are used to create electronic integrated circuits (ICs) and silicon-based photovoltaic cells. These wafers provide a large volume of data as an output through sensors. Based on the reading provided by the sensors and using **classification machine learning algorithms** I have predicted if the **wafer is faulty or not**. Using this ML app the companies can save a huge amount of man power, time as well as money.

EDUCATION

Bachelor Of Technology

B. Tech. in Computer Science

CPI: 8.2

2017 - 2021

JECRC University, Jaipur

TECHNICAL SKILLS

Programming Languages

Python, C#, SQL

Concept Skills and Libraries

Scikit-Learn, Tensorflow, Machine Learning, Deep Learning (Elementary), GenAI, Natural Language Processing (NLP), Word2Vec, Computer Vision, OpenCV

Database

MS SQL Server, MySQL, PostgreSQL

Technologies

FastAPI, ASP.NET, REST API, Docker

Cloud Technologies

AWS, Azure

CERTIFICATES

Mathematics for Machine Learning: Linear Algebra, Coursera

Credential ID: 44HT4LDKQJZM

Mathematics for Machine Learning: Multivariate Calculus,, Coursera

Credential ID: WMRR3WYAVFD3

Mathematics for Machine Learning: PCA, Coursera

Credential ID: NGT6S9X2868C

LEADERSHIPS

IAESTE India LC JECRC

Board Member

2017 - 2020

Tasks/Achievements

- Board member of IAESTE India LC JECRC (The International Association for the Exchange of Students for Technical Experience) and successfully generated offers from JECRC University in different categories.