Anish Soni

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EDUCATION

Rajasthan Technical University, Kota

(2021 - 2025)

Kota, Rajasthan

Bachelor of Technology, Computer Science

GPA: 8.51

Relevant Courses: Linux, Artificial Intelligence, DBMS, SQL, Big Data Analysis, Engineering Mathematics, Human-Computer Interaction, Digital System Design, Design and Analysis of Algorithm, Computer Networks, Theory of Computation, Operating Systems.

WORK EXPERIENCE

Augmented Reality Designer, Snap Inc.

(05/2023 - 04/2024)

- Responsibilities:
 - Designing Lenses for Snap using Snap AR lens studio.
 - Responsible for building and nurturing the community of students interested in Augmented Reality.

TRAINING

Calories Burnt Prediction, National Institute of Electronics and Information Technology, Ropar, Punjab Under the supervision of Dr.Sarwan Singh, Joint Director, NEILIT Chandigarh. (06/2023 – 07/2023)

- I took this project personally and created a Calorie Prediction toolbox using Flask and an effective, responsive design for my specific use case because I had started putting hours into my body due to an injury.
- The project was created to make it easier for a child to use & it predicts the outcome based on only four parameters.

PROJECTS

Real-Time Attendance System

Github

- I made this for my university using Firebase for image storage and information retrieval from the backend.
- Preparing to extend this not just for students and faculty but also at each hostel and the university's main gate.

Algorithmic Trading with Python

Github

I worked with time series data using the **yfinance** module. Employed performance testing, backtesting, data pre-processing, and integration with the **Alpha Vantage API** for regular updates to achieve the desired result.

<u>Github</u>

Satellite Imagery with Deep Learning

Performed remote debugging with custom metrics and loss functions, predicting model performance, and reloading.

- I used Heatmap, Model Deployment application, and Model Serving application outputs for Hugging Face gradients.
- Langchain Chatbot Github
 - Created the chatbot using Streamlit and used Langchain as LLM.
 - Hosted on two popular Platform-as-a-Service providers: Streamlit Community Cloud and Render.com.

Cancer Detection using Deep Learning (Image Classification for Healthcare)

Github

- Constructed a project utilizing Keras Image Classification.
 - CNN with automatic entire side analysis and SVM classifier were both used.

Gesture Volume Control

Github

- This project was created using Hand Landmark Detection (Distance Mapping).
- The main drawback is that it cannot be used across vast distances and needs to be clarified with two palms.

Credit Card Risk Assessment

Github

This project was created with ML classifiers, Pandas, XGBoost Regressor, and Numpy.

SOFTWARE SKILLS

Python, Streamlit, Pytorch, Langchain, TensorFlow, Keras, yfinance, SMABacktester, fastai, torchvision, LaTeX, Linux, NodeJS.

AWARDS

- Received the State Government's Mathematical Genius Award.
- Runner up for the IIT-hosted hackathon where I created a "Lung Disease Prediction" website.