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 **(06/2023 – 07/2023)**
Under the supervision of Dr.Sarwan Singh, Joint Director, NEILIT Chandigarh.

- 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.

Satellite Imagery with Deep Learning Github
- 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.