

Anish Soni

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EDUCATION

Rajasthan Technical University, Kota
Kota, Rajasthan (11/2021 – Present)

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 – Present)

Responsibilities:

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

Sample Projects: ([Github](#))

Real-Time Attendance System

- 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

- 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

- Performed remote debugging with custom metrics and loss functions, predicting model performance, model saving, and reloading.
- I used Heatmap, Model Deployment application, and Model Serving application outputs for Hugging Face activation/gradients.

Cancer Detection using Deep Learning (Image Classification for Healthcare)

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

Gesture Volume Control

- 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

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

AWARDS

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

PYTHON, PHP, SQL, Javascript, Docker, Linux, Excel, Geopandas, Deep CNN, Open CV, Firebase, Node.js, Express, React, Figma.