






Raj Sahu

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EDUCATION

Indian Institute Of Technology (ISM) Dhanbad	2021 - 2026
<i>Integrated Master of Technology in Applied Geophysics</i>	<i>Current GPA: 8.55/10</i>
Stepping Stones Sr. Sec. School, Chandigarh	2019 - 2021
	95.6 %

EXPERIENCE

GeoVision.ai - IIT Bombay <i>Research Intern</i>	May 2023 - July 2023
Topic: Near Surface Wave Modelling	
Description:	
<ul style="list-style-type: none">Utilized Fdelmodc, Disba and swprocess for surface wave inversion, focusing on generating high-precision subsurface Earth models.Collaborated with a team of researchers to collect and analyze seismic data, enhancing the depth for better results.Developed Python programs for automation of data generation.	
Skillathon 2.0 <i>Mentor</i>	May 2022 - August 2022
Taught school students computer skills like programming and Web Development.	

SKILLS

Languages: C++, Python
Web Technologies: JavaScript, HTML, CSS, NodeJS, Flask, SQL
Tools: Git/GitHub, Unix Shell, VS Code, Colab
Libraries: Tensorflow/Keras, PyTorch, OpenCV, Scikit-Learn, Numpy, Matplotlib, Pandas

COURSES AND CERTIFICATES

- Machine learning Specialization by DeepLearning.AI
- Deep Learning Specialization by DeepLearning.AI
- Data Science Fundamentals with python and SQL by IBM
- Stanford's Course CS231n

PROJECTS

PredictStock <i>Python, Pandas, NumPy, Plotly, Keras, Streamlit, Git</i>	September 2023
<ul style="list-style-type: none">Developed a comprehensive stock price prediction and visualization web applicationImplemented data analysis, candlestick charting, and moving averages for technical analysisUtilized LSTM (Long Short-Term Memory) for stock price predictionProvided a user-friendly interface with Streamlit and achieved an average accuracy above 90%	
Fashion Item Classifier <i>Python, Keras, Streamlit</i>	August 2023
<ul style="list-style-type: none">Developed a Streamlit web application for classifying clothing items into various categories using three distinct models.Implemented three different convolutional neural network models for clothing classification, each achieving an impressive accuracy above 90%.Designed a user-friendly interface that allows users to easily upload images of clothing items and receive accurate predictions.Deployed the application online, enabling users to access it at https://fashionclassifier.streamlit.app.Utilized [Fashion MNIST] for model training and testing, providing a robust foundation for accurate predictions.	

ACHIEVEMENTS

- Winner of Tech Savvy during Concetto '22
- Geo-Akarshan 3.0: 2nd runner up in Geo-Trivia

POSITION OF RESPONSIBILITY

Technical Secretary : Aquamarine Hostel It is the largest hostel of our college havinf 2000 inmates	August 2023 - Present
Organizer : CGA 2023 A three days National Conference on "Geophysical Advances - Natural Resource Exploration, Energy Security and Geohazards.	March 2023
Office Bearer : Geophysical Society It is the official geophysical society of IIT(ISM) Dhanbad.	August 2022 - Present
Volunteer : RSP Learning Foundation It is an NGO for the underprivileged people for Learning, Skill Development, and such other avenues. Active member of Badminton team of IIT (ISM) Dhanbad.	2021 - 2022