SN Chandra Kanta Kund

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Github | LinkedIn | Portfolio | Leetcode | GFG | Code360

EXPERIENCE

Research project Intern — *National Atmospheric Research Laboratory (ISRO), Andhra Pradesh (On-Site)*

APR 2025 - JUL 2025

Worked on AI/ML-based analysis of magnetospheric energy and solar wind coupling and 2D TEC mapping techniques. Utilized OMNI2 solar wind data and GNSS-based ionospheric TEC datasets to develop models and visualize space weather dynamics for research applications.

Machine Learning Intern — *Unified Mentor (Remote)*

FEB 2025 - APR 2025

Worked on developing and optimizing ML models for real-world applications, including Vehicle Price Prediction, ASL Detection, and Heart Disease Prediction. Improved model accuracy through data preprocessing, hyperparameter tuning, and performance evaluation.

PROJECTS

Geosynta — *A Jupyter Notebook project for geospatial data analysis using Python, Pandas, and Matplotlib.* [*Link*]

Implemented spatial filtering, clustering, and GIS visualizations.

American Sign Language Detection — *Real-time hand gesture recognition system using TensorFlow and OpenCV.* [*Link*][*Live Demo*]

Classifies ASL gestures with a custom-trained deep learning model.

Facial Reconstruction from CCTV Footage — *Enhances low-resolution surveillance footage using image processing techniques.* [*Link*]

Applied super-resolution and facial enhancement algorithms to improve recognition accuracy.

EDUCATION

Christ (Deemed to be university), Kengeri, Bangalore — *M.tech CSE*

JUL 2025 - (Present)

VIT, Bhopal — *B.tech CSE*

AUG 2021 - JUN 2025

CGPA: 7.9

Vikash HG, Bhubaneswar— *Senior Secondary School*

MAY 2019 - JUL 2021

Sainik School, Bhubaneswar— *Secondary School*

APR 2014 - APR 2019

SKILLS

Programming
Python, C++, HTML, CSS, Javascript

Machine Learning
TensorFlow, Scikit-learn

Database
MySQL, MongoDB, Oracle 10g XE

Geospatial Tools
GIS, QGIS, Geospatial Analysis

Others
Data Structures & Algorithms (DSA), Project Management, Problem-solving, Team collaboration, Communication

CERTIFICATES

AI/ML for Geodata Analysis — IIRS-ISRO

Cloud Computing (Elite) — NPTEL

Applied Machine Learning in Python — Coursera (University of Michigan)

Advanced Software Engineering Job Simulation — Walmart USA (Forage)

LANGUAGES

Hindi, English, Odia