

Ankesh Kumar Singh

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SKILLS

- **Languages:** Python3, Java, C/C++
- **Frameworks:** TensorFlow, PyTorch, Scikit-Learn, Streamlit, Docker
- **Tools/Platforms:** MySQL, Pandas, NumPy, Hugging Face, Git
- **Soft Skills:** Problem-Solving Skills, Time Management & Prioritization, Decision-Making, Adaptability

PROJECTS

- **Earthquake Magnitude Prediction Using Machine Learning:** Jan 2025 – Feb 2025
- **Objective:** Develop a machine learning model to predict earthquake-related parameters using historical data.
- **Implementation:** Collected earthquake data from the USGS database, performed data preprocessing and feature engineering, applied regression models to predict earthquake attributes, evaluated model performance, and deployed the final model as an interactive web application using Streamlit.
- **Outcome:** Achieved accurate predictions of earthquake characteristics; created an interactive web app for real-time predictions.
- **Technologies Used:** Python, Pandas, Scikit-learn, Streamlit, USGS Dataset, Machine Learning
- **Password Management Application with Java:** Mar 2024 – April 2024
- **Objective:** Develop a secure password management system with encryption and backup features.
- **Implementation:** Built a desktop application using Java and Swing, integrated secure password storage with encryption, implemented random password generation, managed user data through a database, and added features like backup and export to enhance security and usability.
- **Outcome:** Successfully created a secure, user-friendly application for efficient password management and data protection.
- **Technologies Used:** Java, Swing, JDBC, SQL Database, Cryptography

CERTIFICATES

- Complete Machine Learning & Data Science Program by GeeksForGeeks. Aug 2025
- Machine Learning & its Applications by Indian Institute of Technology, Roorkee Sept 2024
- Java (Intermediate) by HackerRank Sept 2023

ACHIEVEMENTS

- **Secured around 89 percentile in JEE Mains 2022 & qualified for JEE Advanced 2022:**
Among top 10% students in JEE Mains engineering entrance examination 2022 which made me JEE Advanced qualified and availed 25% scholarship in Lovely Professional University.
- **Runner-up in Mathematics Experiment Competition organised by SVM Schools in India :**
Got 2nd rank in Mathematics Experiment Competition in Cuttack, Odisha in 2018.
- **Secured 3rd rank in the GeeksForGeeks Contest:**
Have been among top 3 in GeeksForGeeks contest in 2024.

EDUCATION

- **Lovely Professional University, PB** Punjab, India
Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.12** August 2022-Present
- **SVM School, Ranchi, JH** Ranchi, Jharkhand
Intermediate; **Percentage: 83%** April 2019 - March 2021
- **SVM School, Ranchi, JH** Ranchi, Jharkhand
Matriculation; **Percentage: 85%** April 2018 - March 2019