Prem Karanwal

 github.com/prem-karanwal   linkedin.com/prem-karanwal/   Prem.karanwal182020@gmail.com   (+91) 9301245584

Education

High School Education:
10th Grade:91.4% , 12th Grade: 92.6%

Indian Institute Of Information Technology, Kota   August 2021 – May 2025
Bachelor of Technology in Computer Science   *Kota, Rajasthan*

Relevant Coursework

- Data Structures
- Design and Analysis of Algorithms
- Software Engineering
- Database Management Systems
- Object Oriented Programming
- Operating Systems

Project Experience

FraudFindr | *Sklearn, Pandas, NLTK, Flask, VS Code* LINK   April 2024
- Developed a sophisticated fake job posting detection system using advanced NLP techniques including lemmatization, tokenization, and text preprocessing from NLTK.
- Utilized logistic regression model within the machine learning pipeline, achieving a high accuracy rate of 95% in detecting fake job postings.
- Designed and implemented a user-friendly web application using Flask.

FingerMath-Fusion | *Opencv, mediapipe, hands tracking and detection, VS Code* LINK   December 2023
- Developed a finger detection and counting system using OpenCV and the MediaPipe library.
- Designed to enable users to answer basic math equations by raising the corresponding number of fingers.
- Implemented a user-friendly interface where, for example, raising five fingers corresponds to the solution of the mathematical equation "5."

RFM Analysis | *Data Analysis, Pandas, Matplotlib, Tableau, Jupyter Notebook* LINK   March 2023
- Conducted in-depth RFM(Recency, Frequency, Monetary) and sales analysis on e-commerce data points, identifying high-value customer segments.
- Developed a Tableau dashboard for comprehensive data visualization.

Meta101 | *MindAR, Javascript, HTML/CSS, three.js, fingerpose.js, handpose.js, VS Code* LINK   June 2023
- Created an interactive Augmented Reality (AR) web application to educate users about the concept of the metaverse and its elements.
- Implemented hand gesture recognition using handpose.js and fingerpose.js for intuitive navigation.

Skills

Languages: C, C++, Python, JavaScript, HTML/CSS
Machine Learning: Tensorflow, Scikit-learn, OpenCV
Data Analysis: Numpy, Pandas, Matplotlib, MySQL
Soft Skills: Critical thinking, Problem-Solving, Leadership, Time Management
Tools: GitHub, VS Code, Jupyter Notebook, Tableau, Pycharm, Unity

Certifications

- **Python for Computer Vision with OpenCV and Deep Learning** - Udemy, by Jose Portilla   LINK

Position of Responsibility/ Extracurricular

- **Dance Lead** of cultural club at IIIT Kota. **Founder** of our college's dance group "Tathastu".
- Actively studying the **Japanese language** at the beginner level, dedicating 5-6 hours per week to enhance proficiency and understanding
- Metaverse Enthusiast