






Premansh Sharma

Computer Science Engineering

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WORK HISTORY

DATA WITH D | AI RESEARCH INTERN

Jan 2023 – Mar 2023 | Work From Home

- Worked on ray tracing concepts to create 3d models from 2d videos.
- Added shine to 3d models.
- Technology used:- **Nerf(Neural Radiance Fields)**.
- Skills involved:- **AI, ML, ANN, Image Processing**.

TATA ADVANCED SYSTEMS LTD. | SOFTWARE ENGINEER INTERN | [Certificate Link](#)

30, May 2022 – 29 June 2022 | Bangalore, India

- Worked on UAV Auto Pilot System and Automaton Mission Systems.
- Contributed to the Model-based development of **GPS module of Auto Pilot System** in **IBM Rhapsody**.
- Conducted analysis for **algorithmic design** ideas for **Image Compression**.
- Developed a tool for **Excel Sheet scripting in Python**.
- Software Used:- **IBM Rhapsody, Eclipse, PyCharm**.
- Skills involved:- **Model Based Software Engineering, OOPS, Digital Image Processing**.

TUTORIALS POINT | TECHNICAL CONTENT WRITER(FREELANCER) | [Profile Link](#)

Jan 2023 – Present | Work From Home

- Published **47** articles on the topics of **AI, ML, and Python**.

PROJECTS

PLAYER POSE DETECTION | [Git Hub Link](#)

- Created a dataset of **2200 video clips of 5 different types of shots** of TT.
- Programmed various **Deep Learning algorithms like LSTM, GRM, and Bi-Directional LSTM** in **Python**, achieving an accuracy of **92 %**.

BRAIN TUMOR DETECTION | [Git Hub Link](#)

- Successfully tackled a binary classification problem using a **dataset of 3000 MRI brain images** by achieving an accuracy of **97 %** through Inception V3.
- Programmed a range machine learning algorithms, including **SVM, Logistic Regression, kNN, and Naive Bayes** and deep learning architectures, **VGG-16, VGG-19, and Inception V3** in **Python**.
- Used various image processing methods such as **Connected Component Analysis, HOG, SIFT, ORB, PCA, and Thresholding** to preprocess and extract relevant features from the MRI images.

ABUSIVE COMMENT DETECTION | [Git Hub Link](#)

- Used a dataset of **1.5 million comments in 16 languages** and achieved an accuracy of **84.9%** through Naive Bayes.
- Programmed various machine learning algorithms, including **Naive Bayes, Logistic Regression, kNN, Random Forest**, and Deep learning architectures such as **LSTM, CNN, DNN, and GRM** in **Python** by tackling various **Natural Language Processing** Tasks.

SKILLS

Programming: **Python, C/C++(Familiar)**

Library:- **TensorFlow, Keras, Scikit Learn, Open CV**

Tools: **IBM Rhapsody**

Soft Skills: **Leadership, Time Management,**

Critical thinking, Adaptability, Flexibility

Others: **MySQL(Familiar), Data Structures and Algorithms, Data Analysis(Familiar)**

COURSEWORK

- Object Oriented Programming
- Data Science
- Artificial Intelligence
- Machine Learning
- Deep Learning
- Natural Language Processing
- Image Processing

EDUCATION

THE LNM INSTITUTE OF INFORMATION TECHNOLOGY

BACHELORS IN COMPUTER SCIENCE ENGINEERING

July 2023 | Jaipur, India

CGPA:- 7.02/10

RSM INTERNATIONAL SCHOOL

SENIOR SECONDARY EDUCATION(12TH)

2019 | Jodhpur, India

Percentage:- 78%

POSITION OF

RESPONSIBILITIES

- PRESIDENTIAL HEAD**, STUDENT'S GYM KHANA, LNMIIT
- COORDINATOR**, SANKALP CLUB, THE SOCIAL CLUB OF LNMIIT
- EVENT AND MANAGEMENT HEAD**, ENTREPRENEURSHIP CELL, LNMIIT

CODING PROFILE LINKS

LeetCode:- premansh2001

Solved 550+ Problems

GeeksForGeeks:- premansh2001

Solved 400+ Problems