Ojaswa Jain

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Education

- **Manipal Institute of Technology [MIT]** — Udupi, India
  Bachelor of Technology - Computer Science AIML; — *2021 -2025(Expected)*
- **Pioneer Convent School** — Indore,India
  Class XII,CGPA:9.6 — *2020-2021*
- **Choithram School North Campus** — Indore,India
  Class X,CGPA:9.6 — *2018-2019*

Skills Summary

- **Languages**: C, C++, Java, Python, SQL, CUDA
- **Cloud Services**: AWS, Kubernets
- **Web Technology**: React, HTML, CSS, Bootstrap
- **Databases and Testing**: MySQL, SQL, Hadoop
- **Tools and Libraries**: MicrosoftOffice,Docker,Pytorch

Experience

- **Machine Learning Intern- LogikView, Indore**: June 2024 - July 2024

  Developed and deployed a machine learning model for predictive analytics, significantly improving accuracy.

  Engineered and fine-tuned multiple predictive models using diverse machine learning algorithms.

  Collaborated with cross-functional teams to integrate the model into existing systems.

Projects

- **Portfolio Website** :
  Technologies: HTML, CSS, JavaScript, jQuery, MongoDB

  Designed and developed a responsive personal portfolio website that uses MongoDB for **mutable project tracking**

- **Stock Market Prediction** :
  Technologies: Python, LSTM, Random Forest, Pandas, Scikit-Learn.

  Engineered multiple machine learning models to predict stock market trends and achieved **88 percent** accuracy. Helped in establishing data pipeline processing for real-time stock quotes per minute

  Optimized model performance through **hyperparameter tuning**, **cross-validation**

  For more real-life outcomes I selected specific factors like **market sentiment** to enhance prediction accuracy

- **Face Detection and Hand Sign Recognition**:
  Technologies: Python, TensorFlow, PyTorch, CNN, OpenCV.

  Pioneered a real-time face detection and hand sign recognition system, achieving **89 percent** accuracy in real-time predictions.

  Implemented dynamic processing capabilities, enabling i**mmediate feedback system**. **Trained deep learning models** capable of recognizing distinct hand signs and features

  Utilized specific neural network architecture like **CNN and YOLO** for efficient and accurate detection and classification

- **Pattern Recognition and message decoding**:
  Developed a **pattern recognition** and **message decoding model used by NASA** to send encoded messages to Mars rovers via parachutes..

  Designed the system to recognize patterns embedded in parachute designs and **accurately decode the transmitted message**..

  Implemented message decoding logic using specific algorithms: **CNN, Computer vision, image processing libraries** .

CourseWork

- Operating Systems, Data Structures, Algorithms, Object-Oriented Programming, Computer Networks, Artificial Intelligence, Machine Learning, Deep Learning, Natural Language Processing, Android App Development, Ethical Hacking, Database Management

Achievements and Certifications

- Certificate in Machine Learning Engineering
- Certificate in Advanced Python Programming for Data Science and Analytics
- Ranked 88th in Manipal Entrance Test and got awarded with full Scholarship