



MANGLESH PATIDAR

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EDUCATION

International Institute of Information Technology <i>Master of Technology in Computer Science Engineering</i>	July,2023 – Present <i>Hyderabad,Telangana</i>
Lakshmi Narain College of Technology Excellence <i>Bachelor of Technology in Computer Science – CGPA 8.73</i>	July,2017 – May,2021 <i>Bhopal,MP</i>
Springwood Senior Secondary School <i>Class XII – Percentage-84</i>	July,2016 – May,2017 <i>Neemuch,MP</i>
Springwood Senior Secondary School <i>Class X – CGPA-9.2</i>	July,2013 – May,2014 <i>Neemuch,MP</i>

EXPERIENCE

SEAMCARVING C++	EMBITEC TECHNOLOGY:Apr,2023 - Feb,2024
<ul style="list-style-type: none">developed a content-aware image resizing system using Seam Carving and custom energy calculation functions and identified and removed lowest energy seams for optimal image resizing.Utilized OpenCV for efficient pixel-level RGB extraction and image generation, demonstrating proficiency in CV.	

PROJECTS

YOGA POSE ESTIMATION Python,Django,CV	IDE-Kaggle Notebook
<ul style="list-style-type: none">Developed a project for Yoga Pose Estimation employing Media-Pipe for pose detection and OpenCV for webcam integration.Designed a web interface using Django, enabling users to trigger real-time pose detection and classification.	
NEURAL POS TAGGER Python,Pytorch,Numpy,Pandas,Matplotlib	IDE-Google-Collab
<ul style="list-style-type: none">Designed and implemented neural network models for POS tagging, utilizing both Feed Forward (FFNN) and RNN.Conducted extensive hyperparameter tuning experiments to optimize model performance, resulting in robust and accurate POS tagging.	
SENTIMENT ANALYSIS Python,Pytorch,Numpy,Pandas,Matplotlib	IDE-Kaggle Notebook
<ul style="list-style-type: none">Developed modular RNN model for IMDB movie review sentiment analysis, integrating NLTK for text processingImproved results by replacing RNN with LSTM, leveraging its ability to capture long-term dependencies in sequential data.	
MYSHELL C++	IDE-VSCODE
<ul style="list-style-type: none">Designed and developed a custom C++ command-line interface shell, incorporating process management, signal handling, and advanced features like I/O redirection and piping.Enhanced user interaction through dynamic shell prompts, built-in commands (cd, echo, pwd, ls), and an autocomplete function,foreground and background process execution.	
FACE RECOGNISATION SYSTEM Python,Pytorch,Numpy,Pandas,Matplotlib	IDE-Kaggle Notebook
<ul style="list-style-type: none">Developed a robust facial recognition system utilizing Principal Component Analysis (PCA) to create Eigen faces using ATandT face dataset.PCA algorithm for feature extraction and image reconstruction, visualizing the effectiveness of Eigenfaces in capturing facial variations.	

TECHNICAL SKILLS

- Languages:** C++,Python,Java,C,Pytorch, HTML,CSS,Javascript, SQL,Mysql.
- Technical Subject:** Data Structure,Algorithm, DBMS,OS,Machine Learning,AI,NLP,Deep Learning.
- Developer Tools:** VSCode, Eclipse, NetBeans,Git.
- OS:** Linux,Windows

ACHIEVEMENTS

- Qualified **GATE CSE 2024** MARKS- 60.38 **AIR 882** SCORE 708.
- Qualified **GATE DA 2024** MARKS-45 **AIR 3052** SCORE 459.
- Qualified **BARC CSE EXAM 2023** with **159 Marks out of 300.**
- Qualified **GATE CSE EXAM 2022** with **Percentile 97.47.**

Extracurricular Activities

- Participated Nodel Swimming Competition got 3rd Position 200M free Style.
- Participated Srishti Dancing Competition.