PRAVEEN CHOWDARY VEMASANI

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EDUCATION

Master of Science: Computer Science **(Aug 2024 - Aug 2026)**
University Of Central Florida, Orlando, Florida, US. **CGPA**: 4/4.

Bachelor of Technology: Computer Science and Engineering **(June 2020 - June 2024)**
Specialization in Artificial Intelligence and Machine Learning
Silver Medalist (Rank 2), Academic Excellence
SRM University AP, Andhra Pradesh, India. **CGPA**: 9.59/10.

SKILLS

- **Programming Languages:** Python, C/C++, Java**,** Prolog, SQL, Bash.
- **Web development:** JavaScript, HTML, CSS, PHP, Django, Flask (Python Web Framework).
- **Other Technical Skills:** API development, Socket Programming, Data Structures and Algorithms, Object Oriented Programming, DBMS, Operating Systems, Data Analytics, Artificial Intelligence, Machine Learning, Image Processing, Computer Vision, Soft Computing, NumPy, Pandas, Scikit-Learn, OpenCV, TensorFlow, Keras.

PROJECTS

GitHub Link : https://github.com/PraveenVemasani

Title: CHESS GAME DESIGN WITH GUI using searching algorithms **(Apr 2022- Aug 2022)**
Developed a dynamic chess game with a GUI using advanced search algorithms, enabling AI-based gameplay.

Title: FACIAL RECOGNITION USING CNN **(Aug 2022 - Dec 2022)**
Built a CNN-based model for facial recognition leveraging photometric and geometric data.

Title: IMDB CLONE **(Feb 2023 - Aug 2023)**
Developed a web app replicating IMDb's functionality using RESTful APIs.

Title: COPY-MOVE FORGERY DETECTION **(Mar 2023 - May 2023)**
Developed a Copy-move forgery detection model. Which enables users to detect copy-move forgery in images and files.

EXPERIENCE

Research Intern: Srm University AP, Amaravathi **(July 2022 - Dec 2022)**

- Researched data poisoning attacks on AI/ML systems, training models and simulating automated poisoning attacks to enhance AI/ML security.

Research Project: Ensemble Method Using PRE-TRAINED CNN Features For Crop Disease Classification
Srm University AP, Amaravathi **(Jan 2024 - May 2024)**

- Developed an ensemble model using pre-trained CNNs, achieving 96.03% accuracy on SugarLeafNet and 98.45% on PaddyThermalNet. Demonstrated the efficacy of fusing thermal and RGB imaging for precision agriculture.