

# Praveen Kumar S

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## EDUCATION

### CMR Institute of Technology

*Bachelor of Engineering in Artificial Intelligence and Data Science - 8.21 CGPA*

Bengaluru, India

*December 2021 – Present*

### Sri Chaitanya Techno School

*Science - PCMIP - 85.6%*

Bengaluru, India

*2019 – 2021*

### Kendriya Vidyalaya IISc

*85.6%*

Bengaluru, India

*2009 – 2019*

## EXPERIENCE

### Machine Learning With Python (Research Based)

*Varcons Technologies Pvt. Ltd*

Feb 2024 – March 2024

*Bengaluru, India*

- Explored NLP fundamentals and worked on lip movement to speech translation project.
- Improved datasets by providing 10 videos spoken on different topics in English and documented errors faced by video transcription.
- Refined the Frontend Interface using HTML, CSS and Flask for better usability

### Machine Learning Intern

*testAIing Solutions Pvt Ltd.*

May 2023 – June 2023

*Bengaluru, India*

- Developed 3 Robust Classification Models based on Convolution Neural Networks on Machine Learning Applications
- Authored 4 Articles on learning outcomes based on CNN and ChatGPT

## PROJECTS

### Star Constellation Detection | *Python, Flask, OpenCV, Tensorflow, Git*

- Built a web application using HTML and Flask to identify star constellations from images
- Utilized DeepImageSearch and OpenCV for model implementation.
- Structured a fully interactive webpage that Upload images and detects constellations

### Image/Video Based Facial Emotion Detection | *Python, OpenCV, Pytorch*

- Created a facial emotion recognition model using AlexNet and Kaggle's Face Emotions Dataset
- Employed Haar-cascade classifier with OpenCV for face detection
- The program was tested on images, videos, and live video input to validate its usability and performance of 72%

## CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

- Certification in Programming, Data Structures, and Algorithms Using Python ([NPTEL](#)), Certified in Problem Solving ([HackerEarth](#))
- President of Muses (Digital Media Club), Public Relations Lead and Main Organizer for NSS Cell at CMR Institute of Technology, Core member of Google Developer Student Club.
- Organized Student Literary Festival with Yuvakasangha, Led planning and execution of annual NSS camps for social service and community engagement.
- Volunteered at Comic-Con India 2022 and 2023 and Under 25 Summit.

## TECHNICAL SKILLS

**Languages:** Python, Java, C, HTML, CSS, JavaScript, MySQL

**Developer Tools:** Git, VS Code, PyCharm, Eclipse, MySQL Workbench 8.0 CE

**Softwares/OS:** Windows, Microsoft Office, Linux(Basic)