

## POOJA

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Github: <https://github.com/Poojaprakash12/pooja>



## CAREER OBJECTIVE

As a final year Electronics and Communication Engineer, I seek an entry-level role in a tech company to apply my skills, contribute to innovative projects, and grow professionally.

## EDUCATIONAL QUALIFICATION

- **Bachelors of Engineering – Electronics and Communication Engineering**  
CMR Institute of Technology, Bengaluru.  
CGPA – 8.76, 2025 (Pursuing)
- **Pre – University Course – Science**  
Pramana Pre University College, Raichur  
75%, 2019
- **SSLC**  
SR Sukhani Co-Education High School, Raichur  
95.8%, 2017.

## TECHNICAL SKILLS

Languages: JAVA (beginner), python(beginner), Arduino(beginner)

Web Technologies: HTML, CSS, JavaScript, React, Django(beginner)

Software: Figma, MATLAB, scikit-learn, TensorFlow.

Database: MySQL(beginner)

Design Tools: UI Design, UX Design(beginner)

## PROJECTS

- **Project-1**  
**Title:** Vangaurd -A high risk surveillance bot  
**Tools used:** IR sensors, Motors, Castor wheel, ESP32 Microcontroller, DC voltage supply, OpenCV, shortest path algorithm, Machine Learning and ML model (YOLO)  
**Description:** Utilizing state-of-the-art technologies such as OpenCV and Machine Learning, Vanguard excels in real-time event detection and classification with pinpoint accuracy.  
**Learning Outcome:** Gained hands on experience in Machine learning through pre-trained models such as YOLO.I also understood the implementation of algorithms.
- **Project-2**  
**Title:** Detection of honey bees in a colony of bees through Deep Learning algorithm.  
**Tools used:** CNNs (Convolutional Neural Networks), OpenCV.  
**Description:** Designed and implemented a cutting-edge Deep Learning algorithm to accurately identify and detect honey bees within a colony.  
**Learning Outcome:** Implemented deep learning applications in computer vision by developing an innovative algorithm for honeybee detection within a colony. Learnt expertise in data pre-processing and model training showcasing advanced skills in Machine Learning.

## INTERSHIPS

Company Name-EBTS (Enterprise Building Training Solutions)

Duration: 1 month

Designation: Intern

Roles & Responsibilities:

- Developed a spam email classification model using scikit-learn, focusing on Naive Bayes algorithms for text classification.
- Preprocessed email data to improve the model's accuracy, including tokenization, stop-word removal and feature extraction.
- Fine-tuned the model by adjusting hyperparameters, resulting in higher precision and recall. Collaborated on deployment strategies for integrating the model into larger applications, ensuring scalability and reliability.

#### CO-CURRICULAR ACTIVITIES & EXTRA-CURRICULAR ACTIVITIES

- **Co-curricular Activities**
- **Seminars:**  
Presented seminar on topic "Overloading and Underloading of Railway wagons"
- **Certifications:**  
"Programming in Java" from NPTEL  
"Introduction to Machine Learning" from Udemey  
"Python Programming" from Coursera.
- **Technical Club:**  
Managed events under FOSS Cell CMRIT.
- **Competitions:**  
Participated in e-yantra robotic competition 2024, conducted by IIT-Bombay.

#### Extra – Curricular Activities

- **Non-Technical Club:**  
Managed events under Minerva Club

#### AWARDS & ACHIEVEMENTS

- Top scorer in 1st and 2nd semester VTU examination
- Winner, Technovation - AI & DS dept. CMR Institute of Technology, March 2024.
- Developed "Project Vanguard", by designing and implementing AI algorithms for real time detecting and tracking of the obstacle, focusing on the shortest path algorithm.
- 2nd runner up - Texplore 2024 – IEEE club of CMR Institute of Technology, May 2024.

#### PERSONAL DETAILS

Date of Birth : 20/01/2002  
Gender : Female  
Nationality : Indian  
Permanent Address : #360 Krishna-Giri hills Near Rajmata temple Raichur-584101  
Languages Known : English, Kannada, Hindi  
Hobbies : Chess, movies, badminton

#### REFERENCE

Name: Dr Pappa M  
Designation: Head of Department, Department of Electronics and Communication  
Email ID: [hod.ece@cmrit.ac.in](mailto:hod.ece@cmrit.ac.in)  
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