PRANAV V

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CAREER OBJECTIVE

Machine Learning enthusiast skilled in Java, Python, SQL and full-stack development using React, Django and Flutter. Experienced with Azure, data structures and machine learning algorithms. Passionate about applying AI to real-world problems with a strong foundation in deep learning, generative models and AI research.

EDUCATIONAL QUALIFICATION

- **Bachelor of Engineering – Artificial Intelligence and Machine Learning**
  CMR Institute of Technology, AECS Layout, Bengaluru
  CGPA: 8.46, 2026 (Pursuing)
- **Pre-University Course - Science (PCMB)**
  St Joseph's Pre University College, Museum Road, Bengaluru
  83.3%, 2022
- **10th Grade – ICSE**
  Cambridge School, K R Puram, Bengaluru
  81.8%, 2020

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C
- **Frameworks:** React.js, Flutter
- **Software & Analytics:** Visual Studio Code, Jupyter Notebook, PowerBI, Tableau, Android Studio, Figma
- **Operating Systems:** Windows
- **Web Technology:** HTML, CSS
- **Machine Learning and AI:** OpenCV, NLP
- **Databases:** SQL, MongoDB
- **Gen-AI Tools:** OpenAI
- **Version Control:** GitHub

PROJECTS

AI Resume Screening System with Chatbot Integration (Ongoing)

- **Description:** Developing a comprehensive web application to revolutionize recruitment by automating resume screening and enhancing candidate engagement. This system leverages advanced AI/NLP to accurately parse resumes, semantically match candidates to job descriptions, and provide explainable, bias-mitigated scores. It features a proactive, AI-driven chatbot offering real-time resume feedback to candidates before submission, alongside robust HR tools for collaborative evaluation and intelligent insights.
- **Tech Stack:** React.js, Node.js (Express), AI/NLP (Hugging Face, spaCy), MongoDB, Auth.js, Rasa Open Source.

Personal Portfolio Website

- **Description:** Built a responsive personal portfolio website using React to showcase projects, skills, and experience. Implemented a clean, modern UI with reusable components and smooth navigation. Deployed the site on GitHub Pages, ensuring mobile responsiveness and fast load times for an optimized user experience.
- **Tech Stack:** React, HTML, CSS, JavaScript, GitHub Pages

Age and Gender Detection using AI

- **Description:** Developed a real-time Age and Gender Detection system leveraging Computer Vision (OpenCV) and pre-trained Deep Learning (Caffe-based Convolutional Neural Networks). The system dynamically processes live webcam streams and static images/videos to perform robust face detection. Subsequent to detection, cropped facial

regions are fed into specialized CNN models for accurate gender classification and age estimation. This AI-powered solution showcases proficiency in Python and deep learning frameworks, enabling the extraction of immediate demographic insights critical for applications in smart surveillance, retail analytics, and interactive systems.

- **Tech Stack:** Python, OpenCV, Argparse, Deep Learning (Caffe Models)

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

Hackathons/Competitions

- Participated in "Full Stack Fiesta: Innovate, Build, Deploy" hackathon organized by CMR Institute of Technology.

Seminars and Workshops

- Attended a workshop on "Patent Drafting" organized by the Department of Artificial Intelligence and Machine Learning in association with CMRIT Institution's Innovation Council.
- Attended a seminar on "Generative AI" organized by CMR Institute of Technology.
- Attended a seminar on **"Startup and Innovation"** organized by CMR Institute of Technology.

Patents

- AI Powered Pet Monitoring System **-** Developed a smart system using AI and computer vision to monitor pet behaviour, detect health anomalies, and send real-time alerts to owners. Filed for patent protection to secure innovation in intelligent pet care technology.

NSS

- Actively participated in orphanage visits, engaging with children through interactive activities, distributing books, stationery, and meals, and organizing sessions that encouraged learning and emotional support.

Technical Clubs

- Member of Cybernauts, club of the Department of Artificial Intelligence and Machine Learning.

AWARDS AND ACHIEVEMENTS

- Received a Certificate of Appreciation for designing posters for the "Open Day" event held on 17th May 2025 organized by CMR Institute of Technology.
- Served as the Class Representative in the 1st and 2nd semesters.

PERSONAL DETAILS

Date of Birth	: 12/10/2004
Gender	: Male
Nationality	: Indian
Linguistic Competencies	: English, Kannada, Hindi, Telugu, German
Hobbies	: Travelling, Photography, Dancing, Cooking, Playing Video Games