

# PRANAV V P

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## PROFILE

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Enthusiastic AI/ML and Data Science enthusiast experienced building data-driven applications and intelligent systems. Skilled in Python, MySQL databases, full-stack web development, and machine learning. Proficient in using generative AI tools to accelerate development and build solutions. Passionate about leveraging data science and machine learning to solve real-world problems.

## SKILLS

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**Programming:** Python, Java  
**ML/DL:** TensorFlow, Scikit-learn, Pandas, NumPy  
**Web Dev:** Flask, React.js, Next.js, Tailwind CSS  
**Tools:** Git, MongoDB, MySQL, Supabase

## PROJECTS

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### PhishGuard Pro — Advanced ML Framework for Email and URL Phishing Detection

End-to-end phishing detection system using advanced machine learning ensembles and hybrid feature fusion. Includes a Flask-based web application and a real-time Chrome extension for email and URL analysis.

*Tech stack: Python, Scikit-learn, Flask, MongoDB, HTML/CSS, Chrome Extension, TF-IDF, Ensemble ML*

### EmotiSense AI — Emotion Recognition Platform for Autism Support

Autism-friendly web platform integrating real-time face emotion recognition (EfficientNetB0) and speech emotion recognition (HuBERT) using WebRTC. Enhanced with animated dashboards and a conversational chatbot powered by Botpress.

*Tech stack: TensorFlow, PyTorch, WebRTC, Botpress, Flask, React*

### Face Recognition Attendance System

Automated attendance system using OpenCV for face detection and KNN-based face classification. Built with Streamlit for real-time recognition, logging, and browser-based deployment.

*Tech stack: OpenCV, Scikit-learn, Streamlit, Python*

### AI Customer Support & Lead Generation Agent

AI-powered conversational agent developed using Voiceflow to automate customer support and cleaning service lead generation. Integrated Make.com for booking automation and RelevanceAI for dynamic pricing logic within a Flask web application.

*Tech stack: Voiceflow, RelevanceAI, Make.com, Flask, Google Sheets*

### Material Recognizer Web Application

MobileNetV2-based deep learning web app for recyclable material classification with real-time Flask deployment.

*Tech stack: TensorFlow, Flask, HTML/CSS, MobileNetV2*

### AI Mock Interview Taker & Resume Analyzer

Platform for cybersecurity and data science interviews featuring real-time feedback, performance analytics, and automated resume optimization.

*Tech stack: React, Node.js, Express, MongoDB, JWT*

## COURSES & CERTIFICATIONS

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🎓 Front-End Web Development (Udemy)    🎓 Supervised Machine Learning (Scaler)    🎓 Project Management (Great Learning)  
🎓 Introduction to Data Science (Cisco)    🎓 Data Visualization (IIT Madras)    🎓 SuPrathon 2K25 Hackathon (Truscholar)

## EDUCATION

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**B.E. in Computer Science**, JSS Academy Of Technical Education, Bengaluru  
CGPA: 8.91 (As of 7th semester)

11/2022 – Present

## LEADERSHIP & EXTRACURRICULAR

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- **Author & Presenter, ICAIES 2025 (Q3 Springer Conference)** — Presented the research paper titled “Advanced Phishing Detection Through Hybrid Machine Learning Framework” at the International Conference on Artificial Intelligence in Engineering Systems (ICAIES-2025), RIT Hassan, Karnataka.
- **Hackathon Coordinator (Honeywell)** — Led team coordination and logistics for Hackathon 5.0.
- **Paper Presentation – IEEE GICCS-25** — Presented Advanced Phishing Detection System at JSSATE, Bengaluru (Sept 2025).
- **SuPrathon 2K25 Participant** — Built EmotiSense AI within 36 hours, focusing on frontend integration and real-time features.
- **NSS Volunteer** — Contributed to social initiatives like teaching, cleanups, recycling, campaigns, and tree plantation.

## LANGUAGES & INTERESTS

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**Languages:** English, Hindi, Malayalam, Kannada, Tamil  
**Interests:** Sketching, Music, Creative problem-solving.