Prajwal Channarayapatna Anand

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PROFILE

I am a keen developer with hands-on experience in Machine Learning, web application developement, and video processing methodologies. I possess a good understanding in SQL databases along with soolid hold in MongoDB databases. Apart from academic activities, I have been a participative member of different technical and organizational activities, having been a Core organizing Committee Member for the Anveshan , the Departmental techno-cultural fest, Headed the Marketting team of Anveshan and official coordinator for Bug Buster (a Code Debugger) and Hackwell (a Hackathon).

SKILLS

Python
Flask, Sklearn, TensorFlow, nltk,shutil

Java
Object Oriented Programming

C Language
DSA, ADA

Databases
Mongo DB, MySQL

Front End Web Developement
HTML, CSS, JS

Backend Web Develoement
Flask

PROJECTS

WinetelliQ — Wine Quality Predictor Web App
Developed a full-stack Wine Quality Prediction web application using Flask for the backend and HTML, CSS, and JavaScript for the frontend. Trained a machine learning model on the Wine Quality Dataset (WineQT.csv) to accurately predict wine quality, integrating the model into the web application for real-time predictions. Focused on seamless user experience, model optimization, and end-to-end deployment of the project.

DiaPredict — Diabetes Prediction Web App
Developed a full-stack Diabetes Prediction web application using Flask for the backend and HTML for the frontend. Trained a machine learning model on a diabetes dataset and integrated it with the web application for real-time health risk predictions. Focused on scalable architecture, user-friendly design, and seamless model deployment using a pre-processing pipeline and trained scaler.

WhatUpBot — Mental Health Support Web App
WhatUpBot is a mental health support platform built with Flask, React, and MongoDB Atlas, featuring three integrated modules: an intelligent diary that uses a machine learning model to predict the user's emotional state based on their journal entries, a structured questionnaire for mental health assessment, and a real-time chat interface to communicate with doctors. The system ensures that all user inputs, predictions, and conversations are securely stored in the database, enabling personalized insights and continuous mental health monitoring.

PlatePerceive-Recipe Recognizer Web App
PlatePerceive is a full-stack recipe recognition platform built with Flask, MongoDB Atlas, and a custom VGG19 deep learning model. Users upload food images through a web interface, and the system predicts the recipe while providing nutritional analysis, ingredients, and preparation steps. The lightweight frontend and secure backend ensure fast and accurate recipe insights.

EDUCATION

JSS Academy Of Technical Education   present
JSS Academy of Technical Education Bangalore   Bengaluru, India
Currently pursuing Bachelor of Engineering in Computer Science and Engineering

Jyothy Kendriya Vidyalaya   2008 – 2020
Studied from kindergarten to 10th grade following CBSE syllabus   Bengaluru, India

Deeksha CFL PU College   2020 – 2022
Studied 1st PUC and 2nd PUC following the State Board   Bengaluru, India

CERTIFICATES

- Machine Learning A-Z: AI, Python & R + ChatGPT Prize [2025] (Udemy)
- The Complete Python Bootcamp From Zero to Hero in Python (Udemy)
- Introduction to Cloud Computing on AWS for Beginners [2025] (Udemy)

INTERESTS

Exploring and understanding new technologies through online research (Like YouTube, Blogs etc.) |

Experimenting with different Linux distributions |

Playing various sports and hitting the gym to maintain an active lifestyle

LANGUAGES

| English | ● ● ● ● ○ | Kannada | ● ● ● ● ○ |
| Hindi | ● ● ● ○ ○ | Sanskrit | ● ● ○ ○ ○ |

ORGANISATIONS

National Service Scheme
Volunteer

08/2023 – present
Bengaluru, India

Actively participated in multiple social outreach initiatives, including painting government school campuses, tree plantation programs, and water conservation efforts. Dedicated to supporting community development and promoting environmental awareness through volunteer service.

Anveshan 2K25
Core Organizing Committee Member and Event co-ordinator

Bengaluru, India

Served as the Core Organizing Committee for Anveshan 2K25, The Department Techno-Cultura fest of the department of CSE , managing end-to-end event operations and leading the Marketing Team to drive promotions and campaigning activities in the campus and in other campuses as well. Successfully coordinated "Bug Busters," a sponsored competitive code debugging event, ensuring smooth execution and participant engagement.

Hackwell (Hackathon)
Student Co-ordinator

Bengaluru, India

Led coordination efforts for Hackathon 5.0, overseeing event planning, team management, and logistics. Collaborated with faculty and participants to ensure smooth execution, foster innovation, and enhance the overall participant experience.