PRAKASH L WADDAR

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SUMMARY

Data Science and AI undergraduate with a strong foundation in machine learning, deep learning, and full-stack web development. Experienced in building intelligent systems and dynamic web apps that integrate AI-driven features. Proficient in Python, TensorFlow, and modern web stacks like Next.js and Flask. Passionate about solving real-world problems using data-driven solutions and automation. Actively working on impactful projects combining AI, analytics, and scalable software systems.

EXPERIENCE

Research Intern

NMAM Institute Of Technology   **12/2024 - Present, Nitte, India**

· Conducted research on detecting fake product reviews using machine learning and natural language processing techniques.

· Implemented text classification models using TF-IDF, Logistic Regression, and SVM.

· Achieved accuracy of 87% in identifying deceptive reviews on benchmark datasets.

· Explored sentiment analysis and word vectorization techniques for model improvement.

· Contributed to data preprocessing and evaluation pipelines during the project's experimental phase.

PROJECT

Anime Characterizer – AI-Powered Image Recognition System

github.com/prakashwaddar628/anime-characterizer.git

· *Technologies: DeepDanbooru, YOLOv8, CLIP, Jikan API, Streamlit, TensorFlow*

· Recognizes anime characters using hybrid ML model combining object detection and image embeddings.

· Used YOLOv8 for multi-character detection, CLIP for fallback recognition, and Jikan API for real-time bio fetching.

· Showcases full ML pipeline integration + API usage + user interface delivery.

· Engineered an advanced image recognition platform that identifies anime characters through a seamless integration of deep learning models, real-time data retrieval APIs, and an interactive user interface.

Smart Resume Analyzer

github.com/prakashwaddar628/smart-resume-analyzer.git

· *Technologies: Python, Streamlit, NLP, Regular Expressions, PDF/DOCX Parsing*

· Implemented parsing logic using `python-docx` and `PyMuPDF` to extract text from resumes and job descriptions.

· Built interactive Streamlit interface with upload modules, visual skill match indicators, and smart recommendations.

· Supports both DOCX and PDF formats for real-time analysis.

Network Intrusion Detection System

github.com/prakashwaddar628/Network-intrusion-detection-system.git

· Developed a machine learning model to detect real-time cyber threats and anomalies in network traffic.

· Achieved 91% detection accuracy using supervised ML algorithms on benchmark datasets.

· Built interactive dashboards for live predictions using Jupyter Notebook.

· Focused on anomaly-based detection using Python's ML stack.

PG Management System

github.com/prakashwaddar628/PG-life.git

· Integrated user authentication, profile management, and booking system.

· Designed responsive UI with modular components and PHP backend.

· Managed data persistence with MySQL relational schema.

EDUCATION

B.Tech in Artificial Intelligence and Data Science
NMAM Institute of Technology · Nitte Udupi Karnataka · 08/2023–06/2026 · 7.06/10

Diploma in Computer Science and Engineering
Govt. Polytechnic Karwar · Karwar Karnataka · 07/2017–05/2021 · 56

CERTIFICATIONS

Responsive Web Design using Bootstrap 4
Bootstrap · 2025
· Focused on mobile-first web design, grid system, and UI components.

Google Cloud – Prompt Design in Vertex AI
Google Cloud Skill Boost · 2025
· Hands-on with large language models, prompt engineering, and multimodal AI in Vertex AI.
· Showcases industry-ready generative AI skills.

Full Stack Java Development
Simplilearn/LinkedIn Learning · 2024
· Introductory course on backend and full stack Java development.
· Covers backend + frontend dev using Spring Boot, React, SQL.

Foundations of Cybersecurity
Google (Coursera) · 2024
· Core security principles and practical awareness of attack vectors.

Data Analytics Career Skills
Google (Coursera) · 2024
· Excel, data wrangling, visual storytelling, and predictive analytics.

Jenkins – CI/CD Pipeline Deployment
Google (Coursera) · 2024
· Demonstrates DevOps fundamentals with CI/CD automation using Jenkins.

SKILLS

Languages: Python, JavaScript, Java, C/C++, PHP, SQL
Frontend: HTML, CSS, Tailwind, Bootstrap
Backend & Frameworks: Flask, Node.js, Express.js, ReactJS, Next.js
ML & AI: TensorFlow, Scikit-Learn, OpenCV, DeepDanbooru, CLIP, Numpy, Pandas
Tools: Git, GitHub, Postman, Jenkins, MongoDB, MySQL, Power BI, Jupyter, REST APIs
Cloud/DevOps: Vertex AI, Streamlit, Ollama, CI/CD