

# 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.

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## 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.

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## PROJECT

### Anime Characterizer – AI-Powered Image Recognition System

[github.com/prakashwaddar628/anime-characterizer.git](https://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](https://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](https://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](https://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.

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## EDUCATION

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### B.Tech in Artificial Intelligence and Data Science

NMAM Institute of Technology · Nitte Udipi Karnataka · 08/2023–06/2026 · 7.06/10

### Diploma in Computer Science and Engineering

Govt. Polytechnic Karwar · Karwar Karnataka · 07/2017–05/2021 · 56

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## CERTIFICATIONS

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### 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.
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## SKILLS

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**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

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