PRAKASH L WADDAR

Data Science Undergraduate | Full Stack Developer | AI Enthusiast

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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.

EDUCATION

B.Tech NMAM Institute of Technology — CGPA: 7.06/10
08/2023 - 06/2026

Diploma Govt. Polytechnic Karwar — Percentage: 56%
07/2017 - 05/2021

EXPERIENCE

WebNexa

AI-Powered Website Generator

- Reduced manual web development time by **70%** using automated content and layout generation.
- Integrated **Ollama models** for cost-effective deployment and improved scalability across devices.

GroceryHub

Inventory Dashboard System

- Implemented **CRUD operations** with RESTful APIs and role-based access control.
- Improved inventory tracking efficiency by **40%** through visualized stock metrics.
- Used component-based architecture for responsive UI and modular updates.

Anime Characterization

Final Year Project

- Utilized **deep learning** (CNNs) with OpenCV for character detection.
- Built training pipeline for image classification using TensorFlow with **custom datasets**.
- Targeting behavioral analysis based on **visual sentiment** and expressions.

Network Intrusion Detection System

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

Management System

- Integrated **user authentication**, profile management, and booking system.
- Designed responsive UI with modular components and PHP backend.
- Managed data persistence with **MySQL relational schema**.

CERTIFICATIONS

Smart India Hackathon 2024
Internal Ideathon Participant in Smart India Hackathon 2024

Data Analytics Career Skills
Course focused on data analytics skills

Jenkins: Getting Started with CI/CD
Introduction to Continuous Integration and Continuous Deployment

Foundations of Cybersecurity
Completed an online course authorized by Google via Coursera

Getting Started with Full Stack Java Development
Introductory course on backend and full stack Java development

Creating Responsive Web Pages using Bootstrap 4
Course on building responsive frontend designs using Bootstrap

KEY ACHIEVEMENTS

- **Team Efficiency Boost**
  Recognized for significant contributions leading to 30% increase in team efficiency.
- **Deployment Excellence**
  Successfully led deployment reducing app downtime by 20 hours monthly.
- **AI Algorithm Success**
  Achieved 95% accuracy in anime character classification using AI algorithms.
- **Query Efficiency Improvement**
  Improved database query efficiency by 50% in PG Management System project.

SKILLS

C/C++ | CSS | Deep Learning | Flask | Git | GitHub | HTML | Java | JavaScript | Jenkins | Jupyter Notebook | MongoDB | Microsoft Power BI | ML Algorithms | Next.js | Numpy | OpenCV | Pandas | PHP | Postman | Python | ReactJS | REST | Scikit-Learn | SQL | Tailwind | TensorFlow | Node.js | Express.js

INTERESTS

- **Interests**
  Interests in Full Stack Development, AI Automation, Data Science,Machine Learning, Competitive Programming, Open Source Contribution, and Tech for Good.

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.