ARIN THAMKE

THIRD YEAR AIML ENGINEER

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PROFESSIONAL SUMMARY

A third-year Artificial Intelligence and Machine Learning (AIML) engineering student with a specialization in Cyber Security. Passionate about AI, ML, and Database development, with hands-on experience in ML model development, NLP, Web-scraping and PandasDriven by innovation, I'm eager to contribute my skills to cutting-edge AI/ML solutions.

PROJECTS

AI News Summerizer: **Aug 2024 – Nov 2024**

It is a Project based on Summerizing the News for users seeking quick
summaries of news articles without needing to read entire pieces. It is made in
Django, HTML, CSS, javascript and Python

- Web Scraping: Utilizes BeautifulSoup and requests libraries to extract data from news websites, including headlines, paragraphs, and images.
- Implements the TextRank algorithm via the sumy library through NLP and Hugging face transformers to generate brief, informative summaries of lengthy articles.
- Uses HTML templates to display summaries in a clean, readable format for easy viewing.
- Checkout the project at :- AI News Summerizer

Cohortly – Chatting app with Built in AI: **Aug 2023 – March 2024**

A chatting application with in build Ai features which helps students to enhance their productivity and utilize their time by using only whats necessary.

- Core Technology Stack: Built primarily in Dart (80.7%) for efficient cross-platform development, the application leverages CMake and C++ for performance optimization, Ruby for backend scripting, and Swift for iOS support.
- Robust Backend: Utilizes Firebase for authentication and data storage, ensuring secure and scalable management of student information, all within the Flutter framework for seamless functionality across platforms.
- Checkout the Project at :- Cohortly

Virtual Assistant   **Sept 2024 – Dec 2025**

It is a Python-based virtual assistant is an advanced AI system that integrates speech recognition and natural language processing. It can understand and process voice commands, execute tasks like web searches and application launches, and provide contextual responses.

- Seamless, Dual-Input AI: Effortlessly interact with voice or text, powered by accurate speech recognition and customizable voice responses, boosting your daily productivity.

- Personalized, Wake-Ready Assistant: Experience a versatile virtual companion with custom wake commands and voice options, designed to enhance user interaction.

Waste Management ML Model   **Jan 2025 – Feb 2025**

It is AI-driven solution designed to automate waste segregation by accurately identifying and classifying waste into appropriate categories. This Python-based model leverages advanced machine learning techniques to enhance recycling efficiency and promote environmental sustainability.

- AI-Powered Waste Sorting: Leverage a Python-based machine learning model to accurately classify waste using ResNET Image processing model, enabling efficient and automated recycling processes.
- Robust Image Processing: Utilizes convolutional neural networks (CNNs) to analyze waste images, ensuring precise classification across various waste types.
- Seamless IoT Integration: Designed for compatibility with IoT devices, enabling real-time waste monitoring and automated sorting in smart waste management systems.
- Checkout the Project at :- [Waste-Classifier-Ml-Model](#)

COMPETIONS / HACKATHONS

[HACK-IT-OUT](#) :   **15-16 Jan, 2025**

Secured 1st place at the "Hack it Out" Hackathon organized by Thakur College of Science and Commerce based on **"Algorithm Development"** it was a 2 day based Hackathon.
Github link for the Project :- [Hack-it-out](#)

Game-A-thon: **26 Jan 2025**

Achieved 3rd place at the Vivek College of Commerce Game Hackathon, crafting a compelling space-themed game with the Godot engine.
Github link for the Project :- [Game-a-thon](#)

TechJam 3.0:   **11 Feb 2025**

Secured 3rd place in "**Clash of Codes**" DSA problem solving competion in Patkar Varde College.
Secured 2nd place in "**Hack the Metrics**" ML model Building Competion at Patkar Varde College.

HackX 3.0:   **22 Feb – 23 Feb 2025**

Ranked among the **Top 14 teams** out of numerous participants at **NMIMS College (Kharghar) Hackathon**, successfully tackling one of the seven diverse problem statement which was **API-Driven Event Invitation System** and showcasing innovative problem-solving and teamwork skills.
Github link for the Project :- [Hackx](#)

EDUCATION

Bachelor's Degree in Artificial Intelligence and Machine Learning | Universal College of Engineering, Mumbai University |2022 - 2026

SKILLS

Technical Skills:

- Programming Languages: Python, C, HTML, CSS, JavaScript
- Frameworks & Libraries: Flutter, Django, TensorFlow, Hugging Face Transformers, Streamlit, Tensorflow
- Databases: MongoDB, Firebase, SQLite, MySQL
- Development Tools: Git, VS Code, PyCharm, Android Studio, IntelliJ IDEA, Platform, Mongo Compass, GODOT Engine
- Machine Learning & AI: NLP, Hugging Face, TextRank, Web Scraping, Speech Recognition