KORIMI MEGHANA

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OBJECTIVE

Computer Science student with strong problem-solving skills and a passion for AI and Computer Vision. Adaptable to new technologies and eager to learn. Currently working on a Computer Vision System for Food Waste Estimation. Enjoys tackling real-world challenges through innovative solutions. Always looking to build and create impactful projects.

EDUCATION

- **Woxsen University** — *2022 - 2026*
  Bachelors in Technology (Percentage: 95) — Hyderabad
- **TSWREIS** — *2020-2022*
  Intermediate (Percentage: 96) — Gowlidoddi
- **KK Reddy High School** — *2020*
  Secondary Education (Percentage: 100) — Telkapally

PROJECTS

- **Project: Computer Vision System for Food Waste Estimation** *Jan 2023 – Present*
  Tools and Technologies: [Detectron2, Python, TensorFlow, OpenCV, Scikit-learn, Pandas, Numpy, Matplotlib]
  ◦ Developing an AI-powered computer vision system to analyze and quantify food waste in a university mess.
  ◦ Implementing object detection and image segmentation to recognize food items and estimate waste volume.
  ◦ Exploring deep learning models (YOLO, Mask R-CNN, etc.) for accurate food recognition and portion analysis.

Project : Request Portal MERN Application *Mar 2024*
Tools and Technologies: [React.js, Node.js, Express.js, MongoDB, MUI, Recharts]

- Students/Faculty can submit requests with file uploads and track status
- Admins can view, filter, and manage requests, open detailed modals, and approve/reject with email notifications
- Integrated email system, token-based authentication, and chart-based dashboard using Recharts

Project : FinChamp: Your All-in-One Financial Companion! *May 2024-Jun 2024*
Tools: [TypeScript,Javascript,CSS,ReactJS,Clerk]

- Developed an interactive financial literacy web app
- Implemented Clerk for secure user authentication, managing registration, login, and user sessions.
- Developed a progress tracking feature for easy integration with user profiles, enabling personalized learning pathways.

Project : Lost and Found Information System *FeB 2023 - Jun 2024*
Tools: [MySQL,PHP,CSS,HTML,Bootstrap]

- Developed a centralized Lost and Found Information System for a university campus, facilitating efficient item tracking and retrieval.
- Created a responsive user interface using HTML, CSS, and Bootstrap, ensuring a user-friendly experience and seamless navigation.

Project : NxtWatch *FeB 2023 - Jun 2024*
Tools: [React JS,JavaScript, CSS, Bootstrap, Routing, REST API Calls, Local Storage, , Authorization, Authentication.]

- Trending and Gaming, view saved videos, and search for specific content with a customizable theme.
- Designed interactive pages, including Login, Home, Trending, Gaming, and Saved videos, using React components, state management, and lists.
- Implemented a secure login system with username/password input, followed by API calls and JWT token handling for persistent login states.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, HTML, CSS, Python, C++
- **Frameworks & Libraries:** Node.js, Express.js, React.js, Bootstrap
- **Web Technologies:** RESTful APIs, JSON, AJAX
- **Databases:** MongoDB, MySQL, SQL
- **DevOps & Tools:** Docker, AWS, Git, GitHub, npm, Visual Studio Code
- **AI and Machine Learning:** TensorFlow, PyTorch, Detectron,Numpy
- **Other Skills:** Problem-solving, Agile methodology, Version control, Data Structures and Algorithms, Data Science

SOFT SKILLS

- Leadership
- Teamwork
- Communication
- Adaptability

- Problem-Solving
- Time Management
- Creativity
- Critical Thinking

HONORS AND AWARDS

- **Winner** *OCT 2024*
NEXT IN TECH powered by gradRight Knowledge Partner LEHIGH University
  - Topic: AI-based Personalized Learning Path Generator
  - Developed a prototype that utilizes artificial intelligence to analyze a student's skills, interests, and academic background to create a customized learning path.

- **Finalist** *2024 MAY-JUNE*
American Express Makeathon 2024
  - Recognized for creativity and problem-solving skills after collaborating on innovative solutions in financial technology

CERTIFICATIONS

- **Introduction to NoSQL Databases:** IBM
- **Introduction to Databases:** NxtWave
- **Programming Foundations with Python** NxtWave
- **Programming Foundations with JavaScript, HTML, and CSS (with Honors):** Duke University
- **Dynamic Programming, Greedy Algorithms:** University of Colorado Boulder
- **Data Structures** University of California San Diego