# VEDANT KANKATE

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## PROFESSIONAL SUMMARY

Hello, I'm Vedant Kankate, A Computer Science **Graduate Student** at Cal State LA with a strong interest in AI, Cloud Technologies, and Software Development. Proficient in Google Cloud Platform, Docker, and MongoDB. Experienced in developing scalable, client-focused applications. Passionate about innovation, collaboration, and solving real-world problems. Skilled in **API development, microservices architecture, and CI/CD pipelines**, ensuring efficient and robust software solutions.

## EDUCATION

**California State University - Los Angeles**                                      **August 2024 - May 2026**
*Master's, Computer Science*                                                                                          *GPA: 4*
***Relevant Courses****: Advanced Topics in Web Programming, Advanced Topics of Artificial Intelligence, Computer & Network Security*

**MIT Art, Design and Technology University, Pune IN**                      **August 2020 - June 2024**
*Bachelor's, Computer Science*                                                                                     *GPA: 3.8*
***Relevant Courses:*** *Design and Analysis of Algorithms, Advanced Data Structures & Computer Organization & Microprocessor*

## PROFESSIONAL EXPERIENCE

**California State University - Los Angeles**                                      **Los Angeles, CA, USA**
*Graduate Assistant*                                                                                       *January 2025 - Present*
- Designed and deployed an experimental server environment on AWS, optimizing metadata processing for an Entity Recognition Model. Assisted in data preprocessing for a 50,000+ text dataset from the Gutenberg Project, improving text classification accuracy.

**Webstack Academy**                                                                                                    **Remote**
*MERN Stack Developer*                                                                                 *August 2023 - October 2023*
- "Developed and deployed full-stack applications using the MERN stack, adhering to the SDLC; designed interactive user interfaces with HTML, CSS, JavaScript, and React.js, improving load times by 30% and enhancing user engagement by 20%."

## SKILLS

- **Programming Languages:** C/C++, Java, Debian, HTML/CSS, JavaScript, CMD, Linux
- **Cloud & DevOps:** GCP, BigQuery, Kubernetes, AWS, Firebase, CloudFormation, Jenkins, Docker, Cloud Storage
- **Frameworks:** Tensorflow, Keras, Matplotlib, Scikit-Learn, Data Structures & Algorithms
- **Front End Tools:** HTML/CSS, React.js, JavaScript, Express.js, Melt.js, Figma
- **Back End Tools:** MongoDB, Node.js, Flask, Django, MySQL, FastAPI, REST APIs, Google Marketplace, DBMS
- **Interests:** Windows 10/11, Mac OS, Google Cloud Platform, AWS, Azure, Linux/Unix, Ubuntu

## PROJECTS EXPERIENCE

**Meal Planner Application [Github]**                                                          **California, USA**
*Developer*                                                                                    *August 2024 - December 2024*
- Developed a 100% scalable Meal Planner Application using Node.js, Express.js, MongoDB Cloud Server, and Svelte.js, integrating the **Spoonacular API** for meal search & planning. Implemented a RESTful backend with JWT-based authentication, automated CI/CD pipeline using **GitHub Actions with a 99.9% deployment success rate**, & optimized 3+ microservices for modular functionality.
- Designed and deployed a Svelte.js frontend supporting 1,000+ concurrent users, enabling real-time meal plan management. Integrated MongoDB Cloud Server for secure data storage, ensured 100% seamless database connectivity, and improved application reliability through 95%+ test coverage and continuous deployment.

**ML-Powered Prakriti Assessment Chatbot [GitHub]**                              **Pune, MH, India**
*Front-End Developer -*                                                                         *August 2023 - May 2024*
- Developed an AI-driven chatbot in collaboration with Kayayurveda Clinic, Pune, helping users understand their Prakriti (body type, hair type, etc.) through a structured questionnaire-based analysis. Integrated ML models (Random Forest) to provide personalized recommendations, achieving 85%+ accuracy in Prakriti classification.
- Built the chatbot using Streamlit, JavaScript, Bootstrap, & Gemini API, ensuring a seamless UI/UX with responsive design. Successfully processed insights from 5,000+ user interactions, optimizing model performance & response efficiency.

**Sambhav - A woman Health Web Application [GitHub]**                            **Pune, MH, India**
*Front End & Cloud Developer*                                                              *July 2023 - November 2023*
- Upskilling Application for Underprivileged Women – Developed a mobile application to assist 1,000+ underprivileged women in upskilling through interactive learning modules. Built using Flutter and FlutterFlow for a seamless full Stack experience, integrated Firebase for real-time data management, & AWS S3 for secure storage.
- Implemented Python-based ML models to personalize learning recommendations, enhancing user engagement by 65%.

**Deep Learning - "Prediction Model" - Fruit Quality Assessment**        *August 2022 - November 2022*
- Designed and implemented a **5-layer CNN model** using **TensorFlow and Keras** to classify fruit quality with 90% + accuracy.
- Processed **10,000+ fruit images**, applied data augmentation to cut overfitting by 30%, and optimized preprocessing for a 5x speed-up.
- Developed a **real-time fruit quality** detection pipeline, leveraging RGB-based defect assessment, with potential applications in food processing industries.

## ACHIEVEMENTS

- Received a Certificate of Appreciation from **Savitribai Phule Pune University** for **contributing to a Guinness World Record** by assisting in **AI-based image classification** for **the largest online photo album of people holding the National Flag**.
- **Institute-wise Topper** in **MIT ADT TALK 2020-21** (Super Speaker Oratorical Championship), **awarded by MIT ADT University**.