Vedika Sontakke

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Vishwakarma Institute of Technology

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 GitHub Profile
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EDUCATION

- **Vishwakarma Institute of Technology** — *2022 - Present*
  B.Tech - Computer Engineering; CGPA: 8.55 — Pune
- **Government Polytechnic Amravati** — *2019 - 2022*
  Diploma - Computer Engineering; Percentage: 94.47% — Amravati
- **J. C. High School** — *2014 - 2019*
  Class X; Percentage: 94.0% — Karanja (Lad)

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, JavaScript, PHP
- **Web Development:** HTML5, CSS, Bootstrap 5, React.js, Express.js, Node.js, CodeIgniter 3
- **Tools and Technologies:** Data Structures and Algorithms, OOPs Concept, MySql, GitHub, Postman

PROJECTS

- **DeepFake Detection And Victim analysis**
  Github Link
  - Tools & technologies used: Kaggle, TensorFlow, OS, NumPy, Opencv, Py Flask
  - Developed a machine learning system to detect deepfake images by analyzing facial features, lip sync, and unusual movements. The system achieved an **accuracy of 92.7%**.
  - Conducted analysis on **50+ cases** to understand the impact of deepfake images on victims.
  - Presented a final **PDF Report** having a result of deepfake image and reference image of victim.

- **EasyRecipe - Simplifying Your Cooking Journey**
  Github Link
  - Tools & technologies used: Next.js, Flask, Python, MySQL, Google Generative AI
  - Implemented user authentication with login and sign-up functionalities, and developed a dynamic home page showcasing recipes with 10+ recipes categories.
  - Enabled user interactions through **likes and comments**, and created a My Recipes section for users to manage their added recipes.
  - Integrated Recipe AI for cooking assistance using **Google Generative AI**, and designed a **search functionality** to suggest recipes based on available 200+ ingredients.

- **BookGuardian - Manage Books Website**
  Github Link
  - Tools & technologies used: HTML5, CSS, PHP, Javascript, MySql
  - Engineered user-friendly interfaces for adding/managing books, issued/returned books, users, publishers, and authors, facilitating easy management for **500+ books**.
  - **Automated email reminders** for overdue books, promoting timely returns.
  - **Real-time statistics** for total books, available books, authors, users, issued and returned books.

RELEVANT COURSEWORK

- **Awarded a certificate for the paper presentation**
  At the Second International Conference on Recent Trends in Computing (ICRTC 2023), December 2023.
  certificate
  - Awarded a paper presentation certificate for **The Smart Software Developer's Kit**, an IoT-based solution addressing health concerns in software developers. The project focuses on real-time monitoring, enhancing sitting posture, maintaining screen distance, and providing auto-brightness, contributing to the overall well-being and productivity of developers.

ACHIEVEMENTS AND VOLUNTEER EXPERIENCE

- **Postman** API Fundamentals Student Expert Certification (link)
- Secured a **2nd runner-up position** in Innovation Expo 2023 Project Competition (link)
- **2-Star Coder** with **1441 rating**, excelling in **23 contests**, solving **350+ problems**, showcasing strong programming skills. (Profile Link)
- Completed **250+** programming challenges on **GeeksforGeeks**, demonstrating strong skills in data structures and algorithms. (Profile Link)
- Volunteered in social event **Utkarsh** organized for underprivileged students encouraging skills required to compete in the current world. Visited **10+ schools** and connected with 500+ students (link)