KARAN RATHOD

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EDUCATION

University of Mumbai – Mumbai, India

Bachelor of Computer Science & Engineering, University of Mumbai *June 2021 – Current*

Patkar College of Science – Mumbai, India

HSC *March 2019*

SKILLS

Technical Skill : HTML5, CSS3, JavaScript, Python, Bootstarp, Tailwind CSS, React JS, Node JS, Django, MySQL, Mongo DB

IDE : Visual Studio Code, PyCharm, IntelliJ, Atom, Replit.

General Skill : Microsoft Word, Microsoft PowerPoint (including AI PPT), Blender, Microsoft Excel, Figma

EXPERIENCE

Internship – Web Development Intern *Feb 2024 – Mar 2024*

CodeClause Pvt.Ltd. - Pune, India

- Worked on 4 diverse web development projects, applying and enhancing skills in front-end and back-end technologies.
- Strengthened hands-on experience with HTML, CSS, JavaScript, and backend, framework technologies by building functional and responsive web applications.
- Conducted a key project (Real time Language Translation), focusing on API integration, real-time functionality, and user data management.
- Improved understanding of web design principles, ensuring cross-browser compatibility and user-friendly interfaces.
- Gained practical exposure to version control systems (e.g., Git) and Agile methodologies, contributing to teamwork and project management efficiency.

PROJECTS

1. **AI BASED VIRTUAL ASSISTANT**
    - Composed a virtual assistant with features like email automation, app control, and scheduling, increasing user productivity by 30% and reducing task completion time by 40% through personalized responses.
    - Integrated OpenAI API for sentiment analysis and problem-solving, receiving positive feedback from 50+ peers and faculty for its efficiency and real-world application.
2. **E-LEARNING (LMS)**
    - Reduced system load times by 15% through back-end optimizations and integrated databases for course management and progress tracking, boosting system reliability.
    - Developed an interactive, responsive LMS using HTML, CSS, and JavaScript, improving cross-browser compatibility and increasing user engagement by 35%.
3. **REAL TIME LANGUAGE TRANSLATION**
    - Created a translation tool supporting 10+ languages, reducing manual translation time by 60% with a 90% accuracy rate across 500+ requests
    - Improved response time by 25% through efficient API handling, implementing robust error handling for uninterrupted service and user experience.
4. **FACE RECOGNITION SYSTEM**
    - Initiated an automated facial recognition system with Python (OpenCV, NumPy), reducing manual attendance entry time by 80%, saving approximately 2 hours daily for administrators.
    - Implemented reliable data storage and error-free logging, with daily and monthly attendance recorded in Excel, enhancing accuracy by 95% for up to 500 users.