Raj Verma

rajv122554@gmail.com § thr-nightstar-r (Raj Verma) ï (11) Raj Verma | LinkedIn Portfolio

Summary

Passionate Full Stack Developer specializing in building scalable web applications using Next.js, React, and Node.js. Skilled in optimizing performance, enhancing security, and delivering robust, user-centric solutions.

Technical Skills

Frontend Development: HTML5, CSS3, TailwindCSS, React, TypeScript, JavaScript
Development Tools: Git, GitHub, Docker, AWS (EC2, S3). Figma.

Languages: Python, JavaScript, HTML, CSS, TailwindCSS, React, TypeScript, JavaScript

Web Development: Django templates, routing, backend integration, frontend with JS/CSS

Testing: Unit Testing, Functional Testing, Performance Testing

Work Experience

R.D.S.O (Ministry of Railways) *Jan 2024 - Jul 2024* **Flutter developer Traine**

- Developed a secure and responsive web application for soil testing using Flutter Dart, improving user engagement by 40%.
- Optimized application performance by refactoring code and improving efficiency, reducing query times by 30%.
- Implemented advanced authentication with Dart, enhancing system security and user data protection.

Projects

ZenTime – Focus & Meditation Web App Live Demo

- Designed and developed a wellness-focused platform featuring guided meditations, customizable focus timers, and ambient soundscapes to enhance user productivity and mental well-being.
- Built a fully responsive, cross-platform interface using semantic HTML5, modern CSS3, and vanilla JavaScript, ensuring accessibility and consistent performance across devices.
- Implemented smooth animations, interactive UI components, and user testimonials to elevate engagement and improve the user experience.
- Converted the application into a **Progressive Web App (PWA)**, enabling offline access and installability for broader reach and improved usability.
- Optimized front-end performance by minimizing asset load and enhancing navigation flow, resulting in faster load times and a seamless user journey.

Deepfake Video Detection using Deep Learning Live Demo

Final Year B.Tech Project | Python, PyTorch, LSTM, ResNext, Django

- Developed an AI-powered system capable of detecting deepfake videos using a combination of ResNext CNN and LSTM-based RNN for frame-level feature extraction and temporal sequence modeling.
- Trained on a dataset of 6,000 real and fake videos collected from FaceForensics++, Celeb-DF, and the Deepfake Detection Challenge (DFDC) for robust real-world performance.
- Built an end-to-end web application using Django framework, allowing users to upload and analyze videos through an intuitive interface.
- Achieved up to 97.7% accuracy in deepfake detection on benchmark datasets by implementing hyperparameter tuning with Adam optimizer, dropout layers, and SoftMax confidence scoring.
- Performed detailed model evaluation using confusion matrix, cross-entropy loss, and implemented unit and integration testing to ensure system reliability.
- Used Google Cloud Platform for model training, deployment, and scalability, and maintained version control using Git.

Education

Bachelor of Technology (Computer Engineering) *2021 - 2025*

- Babasaheb Bhimrao Ambedkar University, Lucknow
- CGPA: 6.82