

Murtaza Lightwala

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SUMMARY

I strive to create software that simplifies tasks and benefits users. My aim is to create intuitive and accessible software solutions that can be used by anyone, regardless of their technical expertise.

EXPERIENCE

Senior Software Engineer

Mindfire Solutions

October 2021 - Present, Remote

- Steered the creation of a sophisticated live support feature, resulting in a 35% uplift in customer satisfaction by enabling immediate, face-to-face assistance through video calls and screen sharing.
- Pioneered an interactive eyewear try-on application, escalating customer engagement by 50% by enabling real-time visualization and comparison of multiple frames simultaneously.
- Instituted an automated pupil image analysis system, leading to a 30% increase in diagnostic accuracy in ophthalmology by ensuring superior quality of images captured with a Fundus Camera.
- Innovated advanced measurement applications that accurately calculate the distance between pupils and the fitting height for eyeglasses, achieving an unprecedented 97% and 99% accuracy rate respectively, utilizing cutting-edge technologies like JavaScript, Tensorflow.js(WebGL), and Google's MediaPipe library.

Full Stack Developer

Magical Solutions

July 2020 - October 2021, Indore, MP

- Built and maintained 13 WordPress websites across various industries including e-commerce, medical practices, and academics.
- Formulated Laravel REST APIs using a load balancer, improving app performance by 40% by effectively managing high server traffic.
- Developed an intuitive admin panel that tracks every user activity, providing valuable insights for application improvement and personalization.
- Engineered a comprehensive e-learning web application, transforming the digital education landscape and leading to a 40% growth in the organization's student base.
- Developed a web application capable of handling 100 simultaneous users, ensuring real-time interaction with no delay or lag using WebRTC.

PROJECTS

Guided Sales Experience

- Orchestrated the development of a real-time live support feature, transforming the online glasses shopping experience through interactive video calls and screen sharing.
- Introduced an interactive product selection process via barcode scanning and precise Pupil Distance and Segment Height calculations, setting a new benchmark in the eyewear retail industry.

Pupil Distance and Fitting Height Calculators

- Pioneered cutting-edge measurement applications using JavaScript, Tensorflow.js(WebGL), and Google's MediaPipe library, revolutionizing optometric measurements and eyewear fitting.
- Achieved unparalleled accuracy rates of 97% and 99% for calculating the distance between pupils and determining the precise fitting height for eyeglasses, respectively.

EDUCATION

Master of Computer Applications

Minor in Computer Science • National Institute of Technology • Raipur • 2020 • 7.9

Bachelor of Computer Applications

Maharaja Ranjit Singh College of Professional Sciences • Indore • 2016

SKILLS

Front-End Technologies: HTML5, CSS, JavaScript, jQuery, React.js, Tailwind CSS

Back-End Technologies: Node.js, Express, PHP, Laravel, Python

Database Technologies: MySQL, PSQL, MongoDB

Other: Linux (Ubuntu), GIT, REST, Firebase, Tensorflow.js(WebGL), Google's MediaPipe library, CKEditor, YouTube API, npm, AWS, Microsoft Graph API, Google OAuth 2.0, OpenCV Library, WebRTC, Socket.io