

Murtaza Lightwala

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SUMMARY

As a Senior Software Engineer, I've been consistently celebrated by clients as 'a genius' and 'a very good detective,' hallmarks of my commitment to exceeding expectations. With 3 years of professional experience, I've orchestrated 28 diverse tech applications, 5 groundbreaking WebRTC solutions, and 4 Python-driven healthcare advancements. My expertise spans JavaScript, React.js, Node.js, Python, SQL, PHP, and Laravel. I don't just build software; I build transformative experiences that have lifted customer satisfaction by 35% and achieved up to 99% accuracy in complex metrics. My work is where technology meets awe-inspiring impact.

EXPERIENCE

Senior Software Engineer

Mindfire Solutions

October 2021 - Present, Remote

- Spearheaded the development of an innovative live customer support feature, elevating customer satisfaction by 35% through real-time video and screen-sharing capabilities.
- Architected an interactive virtual eyewear try-on platform, enhancing customer engagement by 50% through real-time visualization and side-by-side frame comparisons.
- Devised an automated retinal imaging analysis system, achieving a 30% boost in diagnostic accuracy in the field of ophthalmology.
- Engineered advanced optometric measurement solutions, attaining unprecedented accuracy rates of 97% and 99%, utilizing technologies like JavaScript, TensorFlow.js(WebGL), and Google's MediaPipe library.

Full Stack Developer

Magical Solutions

July 2020 - October 2021, Indore, MP

- Constructed and managed 13 WordPress websites for diverse sectors, including e-commerce, healthcare, and education.
- Optimized application performance by 40% through the implementation of Laravel REST APIs with load-balancing capabilities.
- Created an insightful admin dashboard that monitors user behavior, aiding in application refinement and customization.
- Developed an expansive e-learning platform that contributed to a 40% increase in student enrollment.

PROJECTS

Guided Sales Experience

- Seamlessly incorporated real-time Pupil Distance and Segment Height calculations, revolutionizing the online eyewear shopping experience with pinpoint accuracy.
- Streamlined the entire shopping journey by automating product identification and order placement through barcode scanning, enabling instant and secure transactions.
- Designed the architecture to be easily scalable, accommodating future features and supporting high user volumes without compromising performance.

Pupil Distance and Fitting Height Calculators

- Utilized a distinct blend of Knn and Most Occurrence Algorithms for unparalleled accuracy in determining pupillary distances.
- Employed specialized methods like buildIntegral_Gray and computeAdaptiveThreshold to redefine precision in eyewear fitting.
- Eliminated the need for physical calibration in optometric measurements by utilizing iris ratios, advanced algorithms, and quality checks, thereby significantly enhancing user experience and decision-making in eyewear selection.

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