

# Murtaza Lightwala

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## EXPERIENCE

### Associate Team Lead

#### Mindfire Solutions

September 2024 - Present, Bhubaneswar, OR

- Driving POC creation to validate solutions, align with client goals, and inspire team innovation.
- Acting as main client contact, translating requirements into clear, actionable tasks, and ensuring smooth, adaptive communication.
- Leading three cross-functional teams on client projects, guiding timeline creation, roadmap planning, and results presentation.

### Senior Software Engineer

#### Mindfire Solutions

October 2021 - September 2024, Bhubaneswar, OR

- Pioneered a virtual eyewear try-on platform, enhancing customer engagement by 25% through innovative real-time visualization.
- Instrumental in creating a sales platform with real-time video and screen sharing, significantly improving customer-agent interactions.
- Engineered an innovative system that improved diagnostic accuracy in ophthalmology by 30%.
- Developed Pupil Distance and Fitting Height calculators with 97% and 99% accuracy using JavaScript, Tensorflow.js, and Google's MediaPipe library, setting new optometric standards.

### Full Stack Developer

#### Magical Solutions

July 2020 - September 2021, Indore, MP

- Engineered a dynamic suite of 13 WordPress websites, enhancing sector-specific user experiences in e-commerce, healthcare, and education.
- Elevated application efficiency by 20% with Laravel REST APIs, optimizing high-traffic mobile app performance through innovative load-balancing techniques.
- Boosted student enrollment by 30% by building a comprehensive e-learning platform that transformed accessibility and engagement.

## PROJECTS

### Advanced IVA (Intelligent Virtual Agent)

MindFire Solutions • December 2023 - May 2024

- Developed and deployed an IVA using React, Python, Azure AI, Whisper, ChatGPT API, and Azure Text-to-Speech API, achieving a 90% resolution rate for customer inquiries
- Trained Azure Text-to-Speech for lifelike voice synthesis and optimized Whisper with custom algorithms, enhancing speech recognition accuracy and reducing latency by 25%
- Implemented real-time interruption detection and automated response systems, enabling natural conversation flow.

### Virtual Try-On (VTO)

MindFire Solutions • June 2023 - November 2023

- Engineered Virtual Try-On application, integrating ThreeJS and MediaPipe for dynamic 3D eyewear modeling.
- Optimized MediaPipe face detection, enhancing glasses positioning accuracy by 30% and speed by 20%.
- Implemented iris-based facial width calculation and advanced algorithms, boosting fitting precision in virtual eyewear selection.

## SKILLS

- Front-End Technologies: HTML5, CSS3, JavaScript, jQuery, React.js, ThreeJS, Tailwind CSS
- Back-End Technologies: Node.js, Express, Python, PHP
- Database Technologies: MySQL, PSQL, MongoDB
- Other: Linux (Ubuntu), GIT, REST, Firebase, Axios, Tensorflow.js(WebGL), MediaPipe library, npm, yarn, AWS, Graph API, OAuth 2.0, OpenCV, WebRTC, Socket.IO, Redux, OpenAI API, Azure AI Studio, Docker, Devilbox

## EDUCATION

### Master of Computer Applications (MCA)

National Institute of Technology Raipur • Raipur, CG • 2020 • 8.0