

# Muhammad Saad

FULL STACK MERN DEVELOPER · GOOGLE DSC LEAD

Gujranwala, Pakistan

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“Innovate and make a lasting impact in the tech industry.”

## Summary

Currently a Full Stack MERN Developer and Google DSC Lead, with experience in Progressive Web Apps (PWAs), Trusted Web Activities (TWAs), and a focus on web development. Adept at using Next.js, TypeScript, AWS, and Docker. Passionate about fostering tech communities and making a lasting impact in the tech industry.

## Work Experience

### Tyro Soft

WEB APPLICATION DEVELOPER - INTERN

Gujranwala, PK

Aug. 2024 - Present

- Contributed to key client projects such as OpenEMR and CATS, optimizing and enhancing system functionalities.
- Developed and maintained features, ensuring high performance and reliability of applications.
- Gained practical experience in PHP, Laravel, and MySQL, adapting from a MERN Stack background.
- Worked closely with senior developers and clients, gaining valuable insights into project management and client communication.

### Bytewise Limited

MERN TRACK - FELLOW

Islamabad, PK

Jun. 2024 - Aug. 2024

- Developed multiple applications including a careers app, a birthday reminder app, and a Quran player app using React.js, Redux Toolkit, and TypeScript.
- Implemented features like CRUD operations, responsive design, and asynchronous data fetching.
- Deployed applications on Vercel, showcasing dynamic functionality and engaging user interfaces.

### Shift Global

WEB DEVELOPER - CONTRACT

Karachi, PK

Oct. 2023 - Present

- Developed a 3D flipbook portfolio using Three.js and React, enhancing user engagement through interactive animations.
- Designed and implemented a responsive landing page with Next.js, integrating Lottie animations and Google Sheets for dynamic content management.

### Oasis InfoByte

WEB DEVELOPER - INTERN

New Delhi, India

Aug. 2023 - Sep. 2023

- Developed a pizza delivery application with user authentication, order tracking, and payment gateway integration using Node.js, Express, and MongoDB.
- Implemented email notifications using Nodemailer and managed data efficiently.

## Education

### PUGC (University of The Punjab Gujranwala Campus)

B.S. IN COMPUTER SCIENCE

Gujranwala, PK

Oct. 2021 - Oct. 2025

- Got Selected as Campus Lead for GDSC-PUGC tenure 23-24.

## Projects

### Pizza Palette - A Pizza Delivery Application

DEVELOPED A SOPHISTICATED AND FEATURE-RICH PIZZA DELIVERY SYSTEM

- Undertook the development of a sophisticated and feature-rich pizza delivery system, demonstrating proficiency in full stack web development, user authentication, payment integration, inventory management, and real-time updates.
- Showcases my ability to create end-to-end solutions that cater to both user and administrative needs within a dynamic web application.
- Deepened my grasp of full stack development, sharpening my problem-solving and teamwork skills.
- Github Repository:** <https://github.com/codesBySaad/pizza-palette-app-mern-OIBSIP-task-1>
- Deployed Landing:** <https://pizza-palette-app-mern.vercel.app>

## Camify WebCam App

BUILT A DYNAMIC WEB APPLICATION FOR WEBCAM EXPERIENCE

- Camify provides a captivating webcam experience, allowing users to capture and modify images.
- Developed using modern web technologies, showcasing proficiency in building engaging web interfaces and handling media processing.
- Demonstrates my ability to create interactive applications that enhance user experiences.
- **Github Repository:** <https://github.com/codesBySaad/camify-webcam-app-mern>
- **Deployed Landing:** <https://camify-webcam-app-mern.vercel.app>

## My Portfolio Website

CREATED A MULTI-FUNCTIONAL LANDING PAGE

- Designed and developed a multi-functional landing page, highlighting my skills and experiences.
- Implemented with dynamic content and visually appealing design using the latest web technologies.
- Exemplifies my ability to craft professional and engaging personal websites.
- **Github Repository:** <https://camify-webcam-app-mern.vercel.app>
- **Deployed Landing:** <https://metaversus-ui-ux-app-next.vercel.app>

## Extracurricular Activities

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### Google Developer Student Club - University of the Punjab

Gujranwala, PK

CAMPUS LEAD

Aug. 2023 - Aug. 2024

- Spearheaded initiatives to engage and educate the university community about Google technologies, fostering a collaborative and innovative environment.
- Organized workshops, hackathons, and tech talks, attracting over 100 participants and enhancing their technical skills.

### Google Developer Student Club - University of the Punjab

Gujranwala, PK

DESIGN AND WEB LEAD

Dec. 2022 - Aug. 2023

- Gained valuable experience in project management, software development, while contributing to the growth and success of the club's technical initiatives.
- Collaborated with team members to plan, design, and implement web applications using the MERN stack.
- Implemented responsive front-end interfaces using React.
- Wrote clean, well-documented, and efficient code using industry-standard best practices.
- Participated in Google Solution Challenge and submitted our project: MindMate - A Mental Health App.
- **Deployed Version:** <https://mind-mate-gsc-23.vercel.app>

## Programming Skills

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<b>Languages</b>	JavaScript (ES6+), TypeScript, Python, C++, SQL
<b>Frontend</b>	React.js, Next.js, Redux Toolkit, Tailwind CSS, Bootstrap, Shadcn/UI, HTML5, CSS3
<b>Backend</b>	Node.js, Express.js, MongoDB, MySQL, Firebase
<b>Tools</b>	Docker, AWS, Git, GitHub, Vercel, Netlify
<b>Other</b>	Progressive Web Apps (PWAs), Trusted Web Activities (TWAs), RESTful APIs

## Certifications

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### Coursera

IBM FULL STACK DEVELOPMENT

Online

2023

### Coursera

META FRONTEND DEVELOPER SPECIALIZATION

Online

2023