

Muhammad Saad Kashif

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SUMMARY

Software Engineer with strong foundations in full-stack development, object-oriented-programming and algorithms. Experienced in building SaaS applications and APIs using JavaScript (MERN stack, Next.js). Skilled with relational and NoSQL databases (MySQL, MongoDB). Proactive problem-solver with excellent communication skills, eager to contribute to next generation applications and drive innovative solutions in collaborative software development teams.

EDUCATION

FAST - National University of Computer and Emerging Sciences, Lahore

Bachelors in Computer Science (BSCS)

2021 - 2025

Lahore College of Arts and Sciences (LACAS)

A-Level in Computer Science

2019 - 2021

EXPERIENCE

Tinkerbyte Labs - Associate Software Engineer | MERN, Next.js

Jun 2025 - Present

- Developed and maintained milestone-based payments, dispute resolution and content management system for a multi-vendor e-commerce platform and implemented Stripe Checkout workflows with webhook handling.
- Built a LinkedIn outreach automation SaaS system integrating third-party APIs for automated networking.
- Improved backend performance by using asynchronous background job queues, applying cache-based optimizations and implementing frontend caching to reduce redundant requests and enhance user experience.
- Collaborated with designers and product teams to translate requirements into scalable user-facing features.
- Contributed to CI/CD workflows, code reviews and deployment processes to ensure stability.

Green Origin Pvt. Ltd. - Software Engineering Intern | .NET Core, C#, SQL

Jul - Aug 2024

- Developed small scale full stack web apps using .NET Entity Framework Core MVC (Model-View-Controller).
- Designed and deployed applications in a microservices architecture, containerized them with Docker.

PROJECTS

Final Year Project - Virtual Try Room | Python, OpenCV, MediaPipe, React, React Native, Node, Firebase

2024 - 2025

- Developed a cross platform virtual try-on application enabling users to try clothes in real time using a webcam or a mobile camera.
- Utilized OpenCV and MediaPipe for real-time pose estimations to extract measurements from live camera input.
- Implemented garment overlay and role based assess for customers and clothing companies.

DoorDash - Food Delivery System | React, Node, Express, MongoDB

2025

- Developed a full stack food delivery web application offering both consumer and admin side functionalities like food ordering and restaurant management.
- Implemented user authentication, real-time order tracking and payment integration.
- Designed a user-friendly and responsive interface.

AutoVault - Car Maintenance App | React Native, Node, Express, MongoDB

2025

- Developed a full stack vehicle fleet management mobile application for users to track their vehicle's logs and services.
- Implemented vehicle inventory management and maintenance logging functionality.

Cricketer Auction Price Predictor | Python

2024

- Trained an AI model using regression to predict a cricketer's auction price for a particular league based on their stats.
- Preprocessed a numerical dataset by cleaning, imputing missing values and applying scaling techniques for accurate model input.

User Activity Monitoring Tool | Python, JavaScript, Firebase

2024

- Developed a malicious game which ran a malware in the background, breaching the user's security and privacy.
- Built a real-time web dashboard to monitor file activity, application usage, audio recordings and screenshots from client devices.

TECHNICAL SKILLS

- Web Development** - React.js, Next.js, Node.js, .NET EF Core, HTML, CSS, Bootstrap, Tailwind
- App Development** - React Native
- Languages** - C#, C, C++, Python, JavaScript
- Databases** - MySQL, MS SQL Server, PostgreSQL, Firebase, MongoDB