

Md Aziz

Full Stack Developer | LAMP Stack Specialist

Email: mdaziz6632@gmail.com | Phone: [+91 9354367704](tel:+919354367704)

Location: JP Nagar, Bengaluru, India

[GitHub](#) | [LinkedIn](#) | [Play Store - Daily Hisab App](#)

Professional Summary

Innovative and results-driven Full Stack Developer with over 4 years of experience in the LAMP stack, system design, and SaaS-based applications. Skilled at optimizing backend systems, reducing server load, and cutting costs through efficient code and database queries. Proficient in designing modular, scalable, and secure solutions while mentoring junior developers. Strong commitment to mastering Data Structures and Algorithms (DSA) to further enhance problem-solving capabilities.

Technical Expertise

Programming & Frameworks: PHP (LAMP Stack), CodeIgniter, Python (Moderate), Flutter (Moderate)

Database Management: MySQL (Optimization, Query Tuning, Indexing)

System Design: SOLID Principles, SaaS Architecture, Modular Development

Optimization Techniques: Query Refactoring, Recursive Functions, File-based Caching

Server Management: Linux (Apache, cPanel, SSL Configuration, Server Security)

APIs & Tools: REST APIs, Firebase, Git, JSON, Postman

Data Structures & Algorithms (DSA): Actively improving problem-solving skills

Additional Skills: Machine Learning (Beginner), Sentiment Analysis, Real-Time Systems

Professional Experience

Skoodle Learning Pvt Ltd, Bengaluru - Full Stack Developer

September 2023 – Present

- **Enhanced Scalability:** Designed a hybrid file-database system for menu management, reducing database overhead by 50% and improving query response time.
- **Version Control System:** Built a system to switch between old and new versions of software, enabling quick previews of upcoming features before releasing them to all users.
- **System Design Mastery:** Delivered a **SaaS-based Admission Process** to allow schools to create dynamic inquiry forms and manage admissions end-to-end.
- **Optimized Backend Systems:** Reduced server load by 40% through query tuning, replacing nested loops with optimized single-query solutions, and using helper functions for clean, maintainable code.
- **Curriculum Management System:** Built a resource mapping tool for schools to set up subjects, chapters, topics, and subtopics while enabling teacher progress tracking.

- **Ticketing System:** Developed a support system that reduced duplicate tickets by 30% and implemented **Sentiment Analysis** and **Remarks Analysis** to predict conversation outcomes, providing insights into potential conversions from inquiries to admissions.
 - **Real-Time Communication:** Created one-on-one and group chat systems for teachers and students using Firebase, similar to WhatsApp.
 - **Comprehensive Reporting:** Improved the **Entrar Management App** with a sleek UI and APIs, offering real-time insights into school activities via a dashboard.
 - **Mentorship:** Guided 4 junior developers in code reviews, system design, and implementing best practices in PHP and MySQL.
-

Attractive Web Solutions, Delhi - Full Stack Developer

February 2021 – August 2023

- **E-Commerce and CRM Projects:** Delivered scalable platforms for e-commerce and CRM solutions, enhancing customer engagement and business workflows.
 - **Efficient Server Management:** Improved server performance by implementing secure configurations, automating backups, and reducing downtime by 25%.
 - **Code Reusability:** Designed modular components for use across multiple platforms, reducing development time for future projects by 30%.
 - **Flutter Application Development:** Built and maintained applications like **Daily Hisab**, integrating seamless user experience with REST API support for real-time updates.
 - **Cost Optimization:** Reduced hosting costs through database normalization and efficient indexing strategies.
-

Key Achievements

- **Query Optimization:** Achieved a 40% reduction in query execution time by indexing, refactoring joins, and simplifying queries.
 - **Cost Savings:** Reduced server costs by optimizing backend architecture and avoiding unnecessary computations.
 - **Automation Impact:** Automated repetitive processes like data sync, resulting in a 20% increase in operational efficiency.
 - **Real-Time Systems:** Leveraged Firebase for real-time updates, enhancing user engagement in chat and notification systems.
-

Education

- **Master of Computer Applications (MCA)** – Manipal University (2024 – Present)
- **Bachelor of Computer Applications (BCA)** – Manipal University (2021 – 2024)
- **Diploma in Hardware Networking** – Jetking (2018 – 2020)

Notable Projects

Daily Hisab App

- Developed a personal finance management app, achieving 7,000+ downloads with a 4.3-star rating on Google Play Store.

Heart Disease Predictor

- Created a predictive model using machine learning techniques to analyze health data and provide early detection alerts with 85% accuracy.

Global Menu Permission System

- Designed a file-based menu caching system to optimize frequently accessed data. Integrated status-based refresh logic to reduce database dependency.

Dog Vision Classifier

- Built an image classification model using TensorFlow, achieving 90% accuracy in identifying dog breeds.

Certifications & Training

- AI & Machine Learning Bootcamp – [Udemy - By Daniel Bourke](#)
- Diploma in Hardware Networking – Jetking

Optimization Efforts

- **Query Refactoring:** Transformed complex nested loops into single-query solutions, reducing computational overhead.
- **File-Based Caching:** Leveraged JSON files for static data, cutting database queries by 60%.
- **Recursive Functions:** Replaced iterative logic with recursive solutions to simplify codebases and improve readability.
- **Database Normalization:** Reduced data redundancy and storage costs by normalizing tables and indexing critical fields.

Additional Highlights

- **Languages:** English, Hindi
- **DSA Proficiency:** Actively solving problems on LeetCode and HackerRank to strengthen problem-solving expertise.
- **Leadership:** Mentored team members, fostering a collaborative and growth-oriented development environment.
- **Interests:** Cybersecurity, Sustainability, Real-Time Systems, Mentoring