

# Mahesh Tawar

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<https://maheshtawar.github.io>

## Profile

Full Stack Developer with 1+ years of experience in building web applications using **Java**, **Spring Boot**, **Vue.js**, and **MySQL**. Skilled in developing RESTful APIs, creating responsive user interfaces, and working with databases. Strong in problem-solving, improving API performance, and reducing repeated issues through effective debugging and system optimization.

## Experience

**Project Associate – Maharashtra Knowledge Corporation Ltd. (MKCL) | Pune, India | Mar 2024 – Present**

- Developed and integrated RESTful APIs in Spring Boot with Vue 3 components for dynamic, responsive UIs.
- Implemented Redis-based caching, improving API response time by ~40% and reducing database load.
- Optimized pagination, reducing page load time from ~5s to under 2s, enhancing user experience.
- Automated scheduling processes, saving 4–5 hours of manual effort weekly.
- Designed secure password reset functionality with OTP verification and validation logic.
- Built utilities for change tracking and log management within MySQL databases.
- Reduced recurring production incidents by ~25% through proactive debugging and performance tuning.
- Supported production releases, troubleshooting real-time issues to ensure smooth deployments.
- Collaborated on exam result generation and data publishing for large-scale deployments.

**Intern | Mahale Automation Pvt. Ltd. | Pune, India | Feb 2023 – Aug 2023**

- Developed and maintained web applications using Python (Django) and MySQL.
- Designed scalable backend logic and database schemas for high-volume operations.
- Implemented responsive frontend features for improved user engagement.

## Education

- M.Sc. in Computer Science | Sinhgad College of Science, Pune | Aug 2021 – Aug 2023
- B.Sc. in Computer Science | Sinhgad College of Science, Pune | Jun 2018 – Aug 2021

## Certifications

- Oracle Certified Professional – MySQL 8.0 Database Developer (1Z0-909), 2025
- Full Stack Development – MKCL's Diploma in New and Exponential Technologies (DNExT)
- MTA: Introduction to Programming Using JavaScript – Microsoft Certified (2021)

## Technical Skills

- **Programming:** Java, JavaScript, HTML, CSS
- **Frameworks & Libraries:** Spring Boot, Vue 3, REST APIs
- **Databases:** MySQL, Redis
- **Tools:** Git, Postman, VS Code
- **Other:** Application Debugging, API Integration, Performance Optimization

**Soft Skills :** Problem Solving, Debugging, Team Collaboration, Cross-Functional Communication.