

# Prafull Tripathi

## Software Engineer | Full Stack Developer

Email Id: [tprafull658@mail.com](mailto:tprafull658@mail.com)      Contact: +91 9569660962      LinkedIn: [LinkedIn](#)      Hacker Rank: [HackerRank](#)      Git Hub: [Github](#)

**Summary:** Leveraged BCA and MCA in Computer Applications to master full stack development, **specializing in Java, JavaScript**. Engineered scalable applications, integrating front-end and back-end technologies through academic projects and Internships. Optimized database performance using SQL. Collaborated on team projects, utilizing version control systems to streamline workflows. Demonstrated problem-solving skills by debugging complex issues and optimizing application performance.

### INTERNSHIP EXPERIENCE

THE SKILL GURU Software Tester

Aug 2024 – Present\*

- Developed, documented, and executed comprehensive test plans and test cases to ensure that the software met its functional and performance requirements.
- Detected, documented, and tracked software defects using bug-tracking tools, collaborating with developers to resolve issues and ensure timely fixes.
- Validated that the software adhered to industry standards, regulatory requirements, and best practices, ensuring a high-quality user experience and system reliability.

SGTYUG Technologies Full Stack Developer

Oct 2023 – Dec 2023

- Engineered and maintained a secure defence website on a local server, implementing robust security protocols and performance optimizations.
- Reduced page load time by **30%**, resulting in a **15% increase** in user retention and a **20%** decrease in bounce rates.
- Spearheaded cross-functional collaboration to gather requirements and integrate feedback for a Learning Management System (LMS). Achieved a **25%** boost in user satisfaction, raising average user feedback scores from **4.2 to 4.8 out of 5**.
- Leveraged SQL expertise to craft efficient database queries and execute complex data manipulations, streamlining information retrieval and management processes.

### PROJECTS

Music System Project <https://github.com/prafull199905/Website-MusicDuniya>

**Objective:** To design and implement a comprehensive digital music system that enhances user experience through advanced search capabilities and personalized playlist management.

Results/Deliverables:

- Engineered a robust music database system supporting efficient storage and retrieval of tracks, artists, and album information.
- Developed an intuitive user interface featuring a dynamic search function with filters for genre, artist, album, and release year.
- Designed and implemented a responsive web interface ensuring compatibility across various devices and screen sizes.
- Performed maintenance and debugging tasks at the time of delivery and tested the code for reusability, robustness and scalability.

LMS (Learning Management System) <https://edu.oksgt.com/>

**Objective:** To design and implement a scalable Learning Management System (LMS) that enhances user experience through streamlined course management, personalized learning paths, and advanced tracking capabilities.

Results/Deliverables:

- Engineered** a highly efficient LMS database structure, enabling quick access to course content, user progress, and performance analytics.
- Developed** a user-centric interface with an adaptive design that optimizes navigation across devices, ensuring seamless interaction for students and instructors.
- Implemented** advanced search and filtering options, allowing users to easily find courses based on subject, difficulty level, instructor, and duration.
- Designed** and **deployed** personalized learning paths that adapt to user preferences and learning speed, enhancing educational outcomes.
- Conducted** thorough testing and debugging to ensure system reliability, robustness, and scalability, meeting all project deadlines.
- Provided** ongoing system maintenance and optimization, ensuring continuous improvement and user satisfaction.

SKILLS				
SOFTWARE ENGINEERING/ SOFTWARE TESTING	WEB DEVELOPMENT	PROGRAMMING	DATABASES	SOFT SKILLS
Algorithm design, Debugging, Software architecture	Html5, CSS, JavaScript, Bootstrap	Java	PostgreSQL	Leader Ship
Manual testing, Object-Oriented Programming, Debugging	Responsive design, Php	C	MySQL	Team Work
Unit testing, Software development	React.js, Nodejs	C++	SQL	Problem Solving
Software Development Life Cycle (SDLC)	Version control (Git)	JavaScript	MongoDB	Communication
Additional Skills	Agile Development and CI/CD	Tools and Technologies		
Firebase	Agile Development	Postman		
	CI/CD Pipelines	Version Control (Git)		

### Education:

- Master Of Computer Application
- Bachelor Of Computer Application

Galgotias University

2024

CSJMU University

2021