

Madhan Kumar

Madurai, Tamil Nadu – 625005 | (+91) 8668121480 | nnmadhankumar27112002@gmail.com | [LinkedIn](#)

Objective

Dedicated and enthusiastic aspiring Full Stack Developer and recent MCA graduate with a solid foundation in both frontend and backend technologies. Seeking a challenging role to apply my skills, contribute to innovative projects, and grow in a dynamic, tech-driven environment.

Projects

DIGITAL TWIN - POWERED OCS LABS: REDEFINING PRACTICAL LEARNING IN STEM EDUCATION – (MAY 2025)

- **Description:** I developed a cloud-based virtual lab system to enhance STEM education by enabling students to remotely write, compile, debug, and execute code in over ten programming languages through an interactive web platform. Key features include an online IDE, compiler integration, virtual lab assignments with automated grading, user role management, and a lockdown browser to ensure secure and flexible learning.
- **Technologies & Tools:** PHP, Python 3.7.4, HTML, CSS, Bootstrap, React JS, Flask 1.1.1, MySQL5, WampServer2i

MANUAL TESTING OF FACEBOOK LOGIN AND PASSWORD RECOVERY MODULE – (FEB 2025)

- **Description:** Performed manual functional testing on Facebook's Login and Forgot Password modules. Created and executed test cases based on functional requirements to validate user input fields, error messages, and overall system behavior. Conducted positive and negative testing to ensure robust validation and user experience. Documented test results and identified bugs for improvement.
- **Technologies & Tools:** MS Excel (for test case documentation), Browser (Chrome, Firefox) for cross-browser testing.

Education

KIT-KALAIKARNAN INSTITUTE OF TECHNOLOGY - COIMBATORE

MASTER OF COMPUTER APPLICATIONS (2023 - 2025) - 7.8 CGPA

SOURASHTRA COLLEGE - MADURAI

B.SC. COMPUTER SCIENCE (2020 - 2023) - 7.21 CGPA

Skills

Programming Language

- Java

Database & Query Language

- SQL

Web Technologies

- HTML, CSS, JavaScript, React.js

Tool

- VS Code, Eclipse

Certifications

- **Programming in Java**

(NPTEL), Oct 2022

- **MongoDB for SQL Experts**

MongoDB, May 2024

- **Python For Data Science**

(NPTEL), Feb 2024