

Akshaya M

Aanaiyur, Madurai

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Professional Summary

Motivated MCA graduate with a strong foundation in **Java, full-stack web development, and secure system design**. Hands-on experience in building scalable web applications, implementing authentication, encryption, and database-driven solutions. Proven ability to collaborate in team environments, lead quality initiatives, and deliver reliable software solutions. Seeking entry-level opportunities in **Software Development, Backend Engineering, or Full-Stack Development**.

Education

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| Master of Computer Applications (MCA) PSG College of Technology, Coimbatore CGPA: 7.38 (Up to 2 nd Semester) | 2024 – 2026 |
| Bachelor of Science in Computer Science Fatima College, Madurai CGPA: 6.9 | 2021 – 2024 |
| Higher Secondary Education CEOA Matriculation School, Madurai Score: 71% | 2020 – 2021 |
| SSLC CEOA Matriculation School, Madurai Score: 68% | 2018 – 2019 |

Projects

Quantum Secure Chat Application

Python, Flask, HTML, CSS, JavaScript

- Developed a secure chat platform implementing post-quantum cryptographic algorithms (Kyber and Dilithium).
- Designed RESTful backend APIs using Flask for encrypted message transmission.
- Integrated a responsive frontend chat interface with secure communication workflows.
- Implemented end-to-end encryption and session-based key management.

Indian Constitution Learning Platform

Node.js, Express.js, MongoDB, HTML, CSS, JavaScript

- Built an educational web platform with structured learning modules and interactive quizzes.
- Implemented role-based authentication and authorization for users and administrators.
- Designed MongoDB schemas for user progress tracking and content management.
- Enhanced learning engagement through real-time progress monitoring.

Music Streaming Web Application

HTML, CSS, JavaScript

- Developed a responsive music streaming website with playlist creation and playback controls.
- Optimized UI for cross-browser and cross-device compatibility.
- Ensured smooth audio playback and clean frontend design.

Technical Skills

Programming Languages: Java, JavaScript, Python, SQL

Web & Backend: Node.js, Express.js, Flask, HTML, CSS

Databases: MySQL, MongoDB

Tools: Git, GitHub, Firebase

Core Concepts: Data Structures, Operating Systems, Software Engineering, Web Security

Achievements & Leadership

- **Head of Quality Assurance:** Led a 10-member QA team for a national-level technical event, ensuring quality standards and successful execution.
- **Discipline Committee Member:** Coordinated large-scale college events and managed technical logistics.

Languages

English, Tamil