

**KARTHIK A**

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**CAREER OBJECTIVE**

Seeking a dynamic role where I can apply my technical skills in full-stack development, cloud computing, and machine learning. As an MCA student, I aim to contribute to innovative projects while continuously enhancing my expertise in software development and problem-solving.

**TECHNICAL SKILLS**

- Languages: Java, Python, C (Beginner)
- Web Development: HTML, CSS, JavaScript, PHP
- Databases: MySQL, SQLite - Cloud: AWS, GCP (Beginner)
- Software Development: DSA, OOPs, REST APIs
- Tools & Frameworks: Git, React, Django (Beginner)

**PROJECTS**

Algorithm Visualizer | 2024

- Developed an interactive Algorithm Visualizer to demonstrate sorting and searching algorithms.
- Implemented Bubble Sort, Quick Sort, Merge Sort, and Binary Search using JavaScript and D3.js.
- Enhanced user experience with real-time visual animations and step-by-step explanations.

Learning Management System (LMS) | 2024

- Built an LMS using HTML, CSS, JavaScript, PHP, and MySQL for structured study material access.
- Implemented secure authentication, improving database query efficiency by 30%.

Medicinal Plant Identification | 2023

- Developed a CNN-based ML model, achieving 90% accuracy in plant leaf classification.
- Preprocessed 5,000+ images and deployed the model using Flask API.

**EDUCATION**

- MCA, BMS Institute of Technology & Management	2023-Present
- BCA, Sahyadri Science College	2020-2023
-PUC, Govt PU College, Soraba	2018-2020
- SSLC, Shi Swami Vivekananda High School	2018

**CERTIFICATIONS**

- [Java Masterclass](#) - Udemy (Spring Boot, OOP, DSA, REST APIs)
- Python Essentials 1 - Cisco (Data Handling, OOP, Automation)

**ADDITIONAL INFORMATION**

- Passionate about Full-Stack Development, AI/ML, and Cloud Computing
- Strong analytical and problem-solving skills
- Active contributor to open-source projects on GitHub