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Mahendran M

Software Developer | Self-driven

Contact Information

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Profile Summary:

Innovative **software engineer** with a **strong foundation** in programming and adept **problem-solving abilities**. Proficient across multiple programming languages and development tools, I bring hands-on experience in full-stack development, agile methodologies, and comprehensive software testing. Demonstrated expertise in designing and implementing **scalable, efficient, and maintainable software solutions**. I am dedicated to staying about current with **emerging technologies** and thrive in collaborating with **cross-functional teams** to **deliver cutting-edge products**.

Skills:

Technical Skills:

- C, C++
- Python
- Android Development in Kotlin
- Git, GitHub
- HTML, CSS, JavaScript
- MS Office
- Java
- UI Designing (Figma)

Soft Skills:

- Leadership
- Analytical Thinking
- Troubleshooting and Debugging

- Project Management
- Pressure Handling
- Application Designing
- Ability to adapt New Technologies
- Effective Communication

Internship Experience

- **Data Science Intern, Tamil Nadu State Skill Development Corporation**
  Remote, April 2023 - May 2023

    - Analyzed datasets, applied machine learning algorithms, and contributed to collaborative projects.
    - Engaged in virtual mentorship, enhancing understanding of advanced Data Science concepts.

- **Python Programming Intern, Tamil Nadu State Skill Development Corporation**
  Remote, March 2023 - April 2023

    - Automated data processing tasks, reducing manual effort by 20%.
    - Acquired proficiency in Python libraries for data manipulation.

- **Machine Learning Intern, Alpha Web Academy**
  Rajapalayam, Dec 2022

    - Executed ML algorithms in Python for real-world applications.
    - Demonstrated proficiency in Python for hands-on ML implementation.
    - Gained practical insights into real-world applications of Machine Learning.

Education

- **Bachelor of Engineering in CSE, P.S.R Engineering College, Sivakasi.**

    - **Expected Graduation:** May 2025
    - **Current CGPA:** 9.02/10

- **School Education, P.A.C.M Higher Sec School, Rajapalayam.**

    - **Higher Secondary (2019-2021):** 92.16%
    - **Secondary School (2018-2019):** 87.80%

Certification

- **Tamil Nadu State Skill Development Corporation**:
  - Python Internship Duration: 1 month
  - Data Science Internship Duration: 1 month
- **MTF**:
  - User Interface Design Professional (Please provide the full form of MTF if applicable)
- **IIT Symposiu**m:
  - ML and Computer Vision
- **MongoDB**:
  - MongoDB and MongoDB Atlas
- **Udemy**:
  - Java Course

Projects

- **Alumni Management and Interconnection Application**

  - Currently developing an application for alumni management and interconnection to the college.
  - **Goals**: Facilitate seamless communication and networking among alumni. Provide a platform for updates, events, and collaboration.
  - **Technologies**: Kotlin for Native Android development.

- **Computer Vision for Fraudulent Vehicle Identification**

  - Developed YOLO-based system for real-time identification of vehicles with fake license plates.
  - Implemented in TN Police Hackathon, reducing manual work by 50%.

- **Library Management System**

  - Designed and implemented a comprehensive Library Management System for a Software Engineering Project.
  - **Functionalities**: Lending, Returning, Sign-in, Registration, Fine Collection.
  - **Technologies**: Python for backend logic, XAMPP server for hosting, SQL for database management.

Achievements

- **Leadership in TN Police Hackathon**

    Led the team to achieve a top-50 position.

- **First Prize, Ideathon23 by ECE Department and IETE Student Forum**

Awarded for outstanding App Designing skills.

- **Third Prize, Quiz on Science Day**

  Secured the third prize in the Quiz event.

- **TCS NQT - BFSI Test November 2023.**

  - Overall Score: 75%
  - Cognitive Section: 70.99
  - BFSI Section: 79.09

- **Effective Bug Resolution and Pressure Handling**

  Successfully resolved bugs, increasing team productivity by 20% during Alumni Management Application development.