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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.