K. MANOJ KUMAR

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GitHub   : https://github.com/manoj122001

PROFESSIONAL SUMMARY

Adept in HTML, CSS, Python, and MySQL, with a solid foundation in IoT basics, honed through projects and an NPTEL course on IoT. At IIT Bombay, developed strong Python skills, showcasing creative thinking and problem-solving abilities. Proven track record in machine learning and IoT platforms, contributing to advanced freelancing projects.

Education

- MCA (Master of Computer Applications)
  Gandhigram Rural Institute, 2024
  CGPA: 7.37/10
- B.Sc CS (Bachelor of Science in Computer Science)
  The American College, 2022
  CGPA: 7.16/10
- HSC (Higher Secondary Certificate)
  Srivalli Varadaraj Matriculation Higher Secondary School, 2019
  Percentage: 56.5%
- SSLC (Secondary School Leaving Certificate)
  Srivalli Varadaraj Matriculation Higher Secondary School, 2017
  Percentage: 79.8%

Skills

- Programming Languages: HTML, CSS, Python,MySQL
- Tools & Technologies: IoT (basics)

Experience

- Freelancing Projects: Machine Learning and IoT platforms.
- NPTEL course: Introduction to IoT.
- Spoken Tutorial project: Python at IIT Bombay.

Projects

Car Parking Management System

- Developed web-based application using HTML, CSS, PHP, MySQL.
- Streamlined parking space management and reservation system.

Dental Problem Detection App & Grapes Leaf Disease Detection Webapp

- Utilized Java (Android Studio), HTML, CSS, Python for Android and web applications.
- Implemented image recognition and machine learning algorithms.

Dam Monitoring System (IoT)

- Designed IoT-based system using Arduino (C++).
- Integrated real-time monitoring and flood alert capabilities.

Android App for Image Enhancement

- Created Java-based Android application with Python backend.
- Implemented image processing algorithms.

Achievements

- **Published research paper:** "Advancements in Dental Problem Detection: Leveraging Image Recognition and Machine Learning."

Personal Details

- Date of Birth   : 06.12.2001
- Marital Status   : Single
- Languages   : Tamil, English

Declaration

I declare that all the above details are true to my knowledge.

Yours Faithfully
Manoj Kumar K