R.Kannan

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Thanjavur

EDUCATION

B.Tech computer science engineering(IoT&Automation),
Sastra Deemed University
2021 – present | Thanjavur
CGPA-6.9(upto 6th semester)

class 12, *Maxwell Matriculation Higher Secondary School*
2021 | Thanjavur
Percentage-93.5%

class 10,
Morning star matriculation school
2019 | Thanjavur
Percentage-95.2%

SOFT SKILLS

- **Communication**:Effective communication in explaining concepts and writing clear documentation.
- **Time management:**Skilled in prioritizing tasks, managing deadlines.
- **Team Collaboration**:Comfortable working in collaborative team environments, contributing effectively to the team.

OBJECTIVE

As a fresher, I am eager to leverage my strong foundational skills in software development.I am passionate about tackling challenging problems and developing creative, impactful solutions.Driven by a strong desire to grow professionally, I am adaptable to learn new technologies.

SKILLS

Programming Languages
- C++,Java

Web Development
- Frontend:HTML, CSS, JavaScript, React
- Backend:Node.js, Express.js

Database Management
- MySQL,MongoDB

Core Subjects
- Internet of Things(IoT)
- Machine Learning

PROJECTS

1.Enhancing Machinery Health through Abnormal Data Detection (Machine learning), *Tech stack:Adaptive Sliding Window(ASW),Local Outlier Factor(LOF),Entropy Weighted Matrix(EMW)*
- Implemented a novel approach for industrial machine health monitoring by combining LOF,ASW,EWM.
- Demonstrated significant improvements over traditional methods with increased accuracy in anomaly detection.

2.Smart Tripper website(MERN,Full Stack),
Tech Stack:React,Node.js,Express,MongoDB
- Developed a real-time monitoring system that displays voltage and current readings and identifies faulty sockets.
- Provided faster identification of faulty sockets and enabled proactive maintenance by analyzing historical trip events.