SHARVESHWARAN S

Software Engineer

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OBJECTIVE

Aspiring Computer Science Engineering student seeking an entry-level opportunity to apply academic knowledge, enhance technical skills, and contribute to innovative software development projects in a growth-oriented organization

EDUCATION

VELAMMAL INSTITUTE OF TECHNOLOGY   2022-2026
B.E.COMPUTER SCIENCE AND ENGINEERING
CGPA : 8.4

MODEL MATRIC HR SEC SCHOOL   2021-2022
HSC
PERCENTAGE : 78.8

MODEL MATRIC HR SEC SCHOOL   2019-2020
SSLC
PERCENTAGE : 54.6

SKILL

- Front End: HTML , CSS
- Database : SQL , Firebase
- Programming languages : Python , Java , Manual testing
- Tools : Microsoft Office 365 , Figma
- UI/UX Design

PROJECTS

AI BASED DRONE APPLICATION

- **Project Summary :** AI-based drones leverage machine learning to make intelligent decisions during flight. These drones are capable of detecting objects, avoiding obstacles, and navigating autonomously using computer vision to interpret and understand their surroundings. The system integrates AI models with hardware components such as sensors and cameras, enabling real-time data processing for applications in agriculture, surveillance, delivery, disaster monitoring, and more.
- **Technologies Used:** Python, OpenCV, TensorFlow, YOLO, GPS modules, ultrasonic sensors, ArduPilot/PX4 flight controllers, and communication protocols like WiFi and RF modules.

Weather Prediction using AI

- **Project Summary:** Built an AI-based system to predict weather conditions like temperature and rainfall using historical data. Used machine learning to identify patterns for accurate short-term forecasting, with applications in agriculture and disaster management.
- **Technologies Used**: Python, Pandas, Scikit-learn, Matplotlib, Open Weather Map API, Jupyter Notebook.

CERTIFICATIONS :

SCOPIC EDUTECH PVT LTD : Introduction to Unity and AR App development
KAASHIV INFOTECH : Ethical Hacking

LOTUS INFO SERVE : Completed 1 month of an intership program
UDEMY : Completed java course
IBM : SkillsBuild - Customer Engagement: Communication and Personality Dynamics
IBM : Artificial Intelligence Fundamentals
IBM : SkillsBuild - Customer Engagement: Problem Solving and Process Controls