SARAN KARTHIK PS

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ABOUT

Aspiring Associate Software Engineer with a strong foundation in Python Full Stack Development, including Django, SQL. Trained in Agile methodologies, software development life cycle (SDLC). Eager to contribute to both development and quality assurance by building scalable web applications and ensuring high-performing, bug-free software in collaborative, fast-paced teams.

EDUCATION

- **Bachelor of Engineering (Computer Science and Engineering)**
  Panimalar Institute of Technology, Chennai.   *July 2020 – 2024*
  GPA: 7.89

- **Higher Secondary Education (12th Grade)**
  Sri Sankara Vidyalaya Matriculation Higher Secondary School.
  Mar 2019 – 2020

- **Secondary School Leaving Certificate (10th Grade)**
  Sri Sankara Vidyalaya Matriculation Higher Secondary School   Mar *2017 – 2018*

TECHNICAL SKILLS

- **Languages: Python**
- **Web Development: Html, CSS**
- **Development Methodologies:** SDLC, Agile Methodologies
- **Frameworks:** Django
- **Databases:** SQL
- **Soft Skills:** Teamwork, Time Management, Adaptability, Accountability, Problem Solving.

INTERNSHIP EXPERIENCE

RAAGAA Value Add Technologies Pvt Ltd, Chennai.   *July 2025– oct 2025*

- **Badminton Membership Chatbot using ai integration:**
  Developed an AI-powered badminton membership chatbot using HTML, CSS, and OpenAI API with GPay integration, email confirmation, and MySQL chat storage for a seamless registration experience.

- **Pickleball Object Detection System using YOLOv11:**
  Built a Pickleball object detection system using YOLOv11 to track bat, ball, and players in real time, with video analytics and annotated result exports for improved accuracy and insights.

- **Webpage Development using WordPress Block Editor and Plugins:**
  Designed and developed a responsive WordPress site using Gutenberg with interactive layouts, modern UI, and customized plugins for tab navigation, image display, and smooth content transitions.

PROJECTS

- **Role of explainable AI in healthcare:**
  Explored Explainable AI (XAI) to enhance transparency, trust, and clinical decision-making in healthcare, making AI models more interpretable, accountable, and compliant.
  Technologies Used: Python, Decision Trees, HTML, CSS, JavaScript.

- **Data Leakage Detection Using Cloud Computing:**
  Implemented a secure system that tracked data access anomalies, reducing unauthorized access incidents by 40%.
  Technologies Used: PHP, JavaScript, HTML, CSS, Cloud Computing

CERTIFICATIONS

- Python Full Stack Development Course- Qspiders   (Aug 2024)
- Cloud Computing Internship — DLK Tech   (Aug 2022)
- Certified in Java Development course at Greens Technology   (Oct 2023)
- Business Intelligence Using Power BI — Skill Nation   (Aug 2024)