

SURYA P M (Software Developer)

CONTACT



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[LinkedIn](#)



[GitHub](#)



[Portfolio](#)



shenoy nagar chennai tamilnadu

PROJECTS

Portfolio

- Built using React and Tailwind CSS to showcase projects and skills in a modern, responsive layout.

WebGPU Experiments (2025 - present)

- Created WebGPU demos exploring lighting, shading, and performance vs WebGL.

3D AI Engine Research (Present)

- Researching GPU data flow, scene graphs, and UI systems for a future AI-powered engine.

BASIC DETAILS

Date of Birth : 22.11.1999
Father's Name : Ponraj D
Mother's Name : Meenakumari P
Gender : Male
Mother Tongue : Tamil
Nationality : Indian
Marital Status : Unmarried

LANGUAGES KNOWN

English
TamiL

PROFESSIONAL EXPERIENCE

software Developer

Hexr Factory, Tamil Nadu – Oct 2023 to Present

- Developed and integrated UI systems for Vulkan and WebGL-based game engines using ImGui and custom rendering pipelines.
- Contributed to internal tools and rendering experiments using WebGPU, improving performance and graphical capabilities.

System Administrator & Operator

Madura Coats Pvt. Ltd., Thoothukudi – Sep 2020 to Oct 2022

- Managed system operations, performed routine maintenance, and ensured smooth functioning of hardware and software infrastructure.
- Gained foundational experience in system administration, preparing for a transition into software development.

TECHNICAL SKILLS

Expertise :

JavaScript, Java

Languages Worked With:

JavaScript, Java, C++, TypeScript, SQL, HTML, CSS

Web Technologies:

React, Tailwind CSS, WebGPU, WebGL, J2EE, Servlets

Rendering & Graphics:

Vulkan, OpenGL, ImGui, Game Engine UI, GLSL

Tools & Frameworks:

Visual Studio Code, Git, GitHub

Core Concepts:

Engine Architecture, UI Systems, Shader Programming, Scene Management

Databases:

MySQL

Soft Skills:

Quick Learner, Adaptable, Strong Problem Solver, Curious Tech Explorer

EDUCATION

- **B.Sc. Mathematics** –
CGPA: 7.2 (2017–2020)
Kamaraj College