

# SURYA P M (Software Developer)

## CONTACT

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-  [Portfolio](#)
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## 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