

Raviselva Thiruvenkatesan

.NET Developer · BIM & 3D Software

Viskar BIM suite · VTK 3D rendering · Software performance

CONTACT

LOCATION
Salem, Tamil Nadu, India

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GITHUB
github.com/Raviselva-Thiruvenkatesan

SKILLS

Desktop & .NET

C# · .NET · WPF · MVVM · XAML · Windows Forms

3D & Performance

VTK · Three.js · GPU rendering · Multithreading

Web

Angular · TypeScript · JavaScript · ASP.NET Core · Entity Framework · REST APIs · HTML · SCSS · Bootstrap

Databases

SQL Server · SQLite · Stored procedures · Triggers · Views · Indexes · Normalisation

Tools

Git · Visual Studio

EDUCATION

B.Tech, Information Technology
Velalar College of Engineering and Technology
Graduated 2023 · 79.3%

LEADERSHIP

Rotaract RID 3203
District Chair, Business Forum 2023–24
Group Rotaract Representative, Group 1 2022–23

Rotaract Club of VCET
President 2021–22 · Pro Chairman 2020–21 · Club Advisor 2022–23

Event emcee

PROFILE

.NET developer at **RGS Construction Technology**, building the **Viskar** suite of Windows applications for BIM and steel engineering. I work across C#, WPF/MVVM and a VTK-based 3D render engine, and I am currently focused on making our software faster. I also bring strong SQL Server skills and modern web development with Angular, and I enjoy turning business requirements into clean, practical solutions.

EXPERIENCE

.NET Developer
Nov 2024 – Present
RGS Construction Technology Pvt Ltd

- Develop the Viskar suite of Windows applications: **ViskarSteel Light**, **ViskarBIM**, and the BIM supporting products **DigiLenz** and **GreenPdf** (powered by Viskar).
- Build features and user interfaces with C#, .NET, WPF, MVVM and XAML.
- Worked on a 3D render engine built on **VTK** (Visualization Toolkit) for visualising engineering models.
- Currently focused on software performance — GPU rendering and multithreading to make the applications faster.

IT Intern
Feb 2024 – Apr 2024
Vee Technologies Pvt Ltd, Salem

- Assisted in building internal tools and contributed to front-end and back-end module development.

.NET Development Course
Training
Accord Info Matrix

- Completed a .NET development course covering C#.NET for Windows and web applications.

PROJECTS

Portfolio with Interactive 3D Steel Frame — Angular · Three.js
Pre-rendered Angular site with a Three.js steel-frame viewer (I-sections, bolted connections, welds) that visitors can rotate and inspect; strict Content Security Policy.

Vision Political Strategy Website — Angular · TypeScript
Responsive website with clean UI and smooth animations — thevisionind.co.in.

The Dilemma of Euthanasia — Data Analytics · 2022–23
Analytical study using RapidMiner, with an AIML chatbot offering a four-quadrant solution.

Kids Edutainment Website — Front-end · 2021–22
Interactive learning platform for children with games, quizzes and multimedia content.

Arduino Humanoid Robot — VI Prize — Robotics · 2019–20
Humanoid robot with walking, 360° head rotation, voice interaction and a hand-shake.