MUGESH SELVARAJ

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EDUCATION

KONGU ENGINERING COLLEGE   2022 - 2026
Bachelor of Engineering in Computer Science
 CGPA : **8.07** (End of 5th Semester)

SREE SARAVANA NIKETAN MATRIC HR SEC SCHOOL   2018 - 2022
 Senior Secondary Education : **84.60 %**

 Higher Secondary Education: **89.83 %**

WORK EXPERIENCE

CLIMETAVERSE   SEPT 2024 - DEC 2024
3D Modeler & VR Developer | Intern - Remote
- Created high-quality 3D models of a bottling plant using Blender.
- Designed and developed immersive VR environments with interactive mechanics using Unreal Engine 5.

PROJECTS

ECOMAP : BIPV ASSESSMENT   DEC 2024
Unreal Engine 5 | Cesium | QGIS

- A cross-platform application for assessing and visualizing Building Integrated Photovoltaics (BIPV) on a large scale.
- Integrates 3D city models, real-time solar data, and interactive tools to enhance urban photovoltaic planning.

MyAUTH - Authentication System   APR 2025
MERN | JWT Token | Tailwind CSS

- Built a secure auth system with register, login, logout and OTP-based email verification and password reset.
- Used JWT for credential hashing, Nodemailer for emails, and Toastify for real-time notifications.

KEC Comfort Inn   APR 2024
MERN | Unreal Engine 5 | Blender

- Developed a guest house booking website with an admin panel for efficient reservation tracking and management.
- Designed and built a VR simulation of the college guest house in Unreal Engine to provide an immersive virtual tour experience.

Expense Tracker   JUN 2024
Python Tkinter | MySQL

- Designed and developed an expense management system using Tkinter and MySQL for efficient transaction recording.
- Integrated a transaction history feature, enabling users to view and track past expenses seamlessly.

WiGO - Indian Heritage VR Experience   MAR 2025
Unreal Engine 5 | Blender | Canva

- Designed and Developed a VR application in Unreal Engine 5 that offers an interactive and immersive way to explore India's cultural landmarks.
- Implemented voice-over narration , enhancing immersion and educational engagement.

TECHNICAL SKILLS

- **Programming Languages:** C, Java, JavaScript, C++ (Basic)
- **Front-End Development:** HTML, CSS, React.js, Tailwind CSS
- **Back-End Development:** Node.js, Express.js
- **Database:** MySQL, MongoDB
- **Tools:** Git, Render, Vercel, Figma, Postman
- **3D Modeling & VR:** Blender, Unreal Engine 5

SOFT SKILLS

- **Leadership:** Led teams in SIH'24 and Ideathon'24, guiding project development and execution.
- **Time Management & Communication:** Competed in multiple 24-hour hackathons, effectively working under tight deadlines.

ACHIEVEMENTS

- **Finalist,** Smart India Hackathon 2024 (Gujarat Technological University)
- **1st Place,** Hacknovate'25 (24-hour Hackathon, KEC)
- **1st Place,** Hacknovate'24 (24-hour Hackathon, KEC)
- **1st Prize,** Renaissance'23 (Paper Presentation, KEC)
- **2nd Prize,** KEC Hackathon'23 (24-hour Hackathon, KEC)
- **2nd Prize** in Renaissance'24 (Web Page Designing, KEC)

CERTIFICATES

- **MongoDB** - MongoDB Associate Developer

LINKS

linkedin.com/in/mugeshselvaraj2004/
github.com/MugeshS-04
leetcode.com/u/Mugesh_S
hackerrank.com/profile/22CSR123_Mugesh
cgtrader.com/designers/mugeshs04