MUGESH SELVARAJ

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CAREER OBJECTIVE

To obtain a challenging and growth-oriented position in a reputed organization where I can effectively contribute my skills, enhance my knowledge, and build a strong professional career.

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 %

TECHNICAL SKILLS

- **Languages:** C, Java, JavaScript
- **Front-End Development:** HTML, CSS, React.js, Tailwind CSS
- **Back-End Development:** Node.js, Express.js, JWT
- **Database:** MySQL, MongoDB
- **Tools:** Git, Figma, Postman, Blender, Unreal Engine 5

SOFT SKILLS

- **Leadership:** Led teams in SIH'24 and Ideathon'24, guiding project development and execution.
- **Time Management:** Competed in multiple 24-hour hackathons.

AREA OF INTEREST

- Full Stack Development
- VR Development
- Data Structures
- 3D Modelling & Animation

CERTIFICATES

- **MongoDB** - MongoDB Associate Developer

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.

ACHIEVEMENTS

- **Finalist** in Smart India Hackathon 2024, held at Gujarat Technological University (GTU), Ahmedabad.
- **Winner of 1st place** in Hacknovate 2025, a 24-hour hackathon conducted at KEC.
- **Winner of 1st place** in Hacknovate 2024, a 24-hour hackathon conducted at KEC.
- **Awarded 1st prize** in Renaissance 2023 for Paper Presentation at KEC.
- **Secured 2nd prize** in KEC Hackathon 2023, a 24-hour hackathon hosted at KEC.