

SEJI GEORGE

Electronics and Communication Engineer

<https://sejigeorge.github.io/Seji-George-PW/>

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OBJECTIVE:

Electronics and Communication Engineering graduate with expertise in web development, UI/UX design, and cloud computing. Proficient in HTML, CSS, JavaScript, React, and AWS, with hands-on experience in GitHub-hosted projects and AWS-based cloud solutions. Developed projects in chaos-based encryption and IoT home automation. Currently deepening expertise in AWS architecture and cloud automation. Seeking opportunities to apply technical skills in a dynamic, innovation-driven environment.

SKILLS:

- HTML
- CSS
- JavaScript
- Cloud Computing (EC2, S3, VPC..)
- AWS
- UI/UX Designing

PROJECTS:

Chaos-Based Image Encryption

- Developed an image encryption system on Raspberry Pi using the Arnold Cat Map algorithm.
- Focused on enhancing secure image transmission with advanced encryption techniques. Optimized encryption performance for real-time processing on Raspberry Pi.
- Integrated chaos-based encryption for improved data security and reliability

Obstacle Avoiding Robot

- Designed and implemented a fully autonomous obstacle-avoiding robot.
- Integrated sensors and control logic for real-time navigation.
- Enhanced decision-making capabilities for efficient path planning. Implemented adaptive control mechanisms for improved environmental responsiveness.
- Optimized system performance for seamless autonomous operation.

EDUCATION:

Bachelor of technology:

Sree Chitra Thirunal College of Engineering, Thiruvananthapuram

November 2021-May 2025

Higher Secondary Education

Svhss, Palem, Malappuram

August 2019 - April 2021

PORTFOLIO AND ONLINE PRESENCE:

<https://sejigeorge.github.io/Seji-George-PW/>:

Showcasing projects, UI/UX designs, and web development work.