SURESH DURAI MURUGAN R

B.tech Information and Communication Technology

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SUMMARY

As a B.Tech Infromation and Communication Technology, I'm passionate about web development and Software development. My coursework has ignited a passion for securing digital landscapes and crafting captivating web experiences. I thrive on learning and adapting to the ever-evolving tech landscape, cultivates teamwork and critical thinking.

EDUCATION

SASTRA DEEMED UNIVERSITY

B.Tech Information and Communication Technology
Cum.GPA:7.67 |Grad:July 2025

PONNIAH HR.SEC SCHOOL

Computer Science
2019 - 2021| Trichy , India
12th - 91.2%

SKILLS

- C and C++ (Data Structures in C++)
- Python programming (Django)
- Java programming (Java Swing)
- HTML and CSS
- React
- SQL
- JavaScript

COURSEWORK

- Data Structures and Algorithm
- Object Oriented Programming
- DBMS
- Machine Learning
- Software Engineering

SOFTWARE TOOLS

- Rational Rose
- Suite Rational Test
- Manager
- Rational Robot
- Oracle
- MatLab
- GIT

PROJECT

Youtube Clone with Django

Ingoude Company | 2018 - Present

- Designed and implemented a video sharing application using Django. The platform includes features for user authentication, video upload, streaming, and commenting
- Utilized Django's ORM to manage and interact with an SQLite database, ensuring efficient data storage and retrieval. Implemented models for user profiles, video metadata, and userinteractions.
- Configured the project to handle static and media files effectively, enabling the serving of video content and static assets such as CSS and JavaScript files. This includes managing file uploads and ensuring smooth playback of media content

Food Delivery App

Wardiere Inc. | 2016 - 2018

- We designed and implemented a responsive, user-friendly interface using React and Material-UI to enhance user experience, increasing user engagement and satisfaction.
- Utilized Redux for efficient state management, ensuring seamless data flow across components. Optimized app performance by implementing lazy loading and code splitting, significantly reducing initial load time.
- Integrated RESTful APIs using Axios to facilitate real-time order tracking and delivery updates. Collaborated with back-end developers to ensure smooth communication between front-end and back-end services, resulting in a notable reduction in order processing time.

RESEARCH

BOOSTED GENETIC ALGORITHM USING MACHINE LEARNING FOR TRAFFIC CONTROL OPTIMIZATION

- worked with Karthick k and Adhavan K done mini project based research paper Boosted Genetic Algorithm Using Machine Learning for Traffic Control Optimization,