

# PARTHASARATHY G



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Coimbatore

## SUMMARY

Innovative software engineer with a strong foundation in programming and problem-solving. Proficient in multiple programming languages and development tools. Proven ability to design and implement scalable, efficient, and maintainable software solutions. Passionate about staying up-to-date with emerging technologies and collaborating with cross-functional teams to deliver cutting-edge products.

## PROFILES

**LinkedIn** - [Parthasarathyg28](#)      **GitHUB** - [Parthasarathy-G](#)

**Portfolio** - [parthasarathy-g.github.io/Portfolio](#)

## EXPERTISE

- **Programming Languages** : Java programming
- **Database Systems** : MySQL
- **Concepts** : Object oriented programming, Data Structures & algorithms
- **Front End Languages** : HTML, CSS, Javascript
- **Cloud Services** : Amazon Web Service
- **Version Control Tools** : GIT, GitHub
- **Operating Environments** : Ubuntu (Linux)
- **Productivity and Design Tools** :
  1. Microsoft Office Suite
  2. VS code
  3. Adobe Photoshop

## CERTIFICATIONS

- **AWS FUNDAMENTALS - NimbusGurus Software Solutions**

AWS Tools training, S3 bucket usage, cloud computing, storage solutions, and scalable application deployment.
- **GIT complete - Infosys springboard**

Gained a comprehensive understanding of GIT and GitHub commands, enhancing skills for effective collaboration and version control.
- **Career Essentials in Software Development - Microsoft & LinkedIn**

This course deepened my understanding of software development fundamentals, including coding, debugging, and software lifecycle management.
- **CompTIA Linux+: Securing Linux - Infosys springboard**

This comprehensive programme equipped me with essential skills to tackle cyber threats and implement robust security measures to safeguard digital assets effectively.
- **TCS iON Career Edge - Young Professional**

This comprehensive course has communication skills, presentation skills, soft skills, career guidance, resume writing, group discussion, and interview skills.

## EDUCATION

- I completed my **Bachelor of Engineering in Electronics and Communication** at the Sri Shakthi Institute of Engineering and Technology, Coimbatore. (**CGPA : 7.94 / 10**)
- G.S.R Matriculation Higher Secondary School, Coimbatore. (**SSLC : 86% & HSLC : 67.66%**)

## INTERNSHIPS

### Linumiz, Coimbatore 2021

I acquired expertise in Linux for embedded devices during my internship and am proficient in providing software customization tailored for embedded environments.

### BSNL, Coimbatore 2022

A basic understanding of telecommunication encompasses principles of information transmission via telephony, data networks, and wireless systems.

## PROJECTS

### • RASPBERRY PI BASED PARKING SLOT AVAILABILITY AND BILLING SYSTEM

*(Technologies used : Embedded C programming , Amazon web service ,HTML, CSS, Javascript)*

Implemented an automated parking lot allotment and billing system using Raspberry Pi devices to send signals to AWS from local sensors. Employed edge computing paradigms (15%) with a decentralised architecture for expedited data processing, minimising latency, and enhancing system responsiveness (15%). Integrated with AWS services (Amazon S3, EC2, DynamoDB, IoT Core, and Lambda) for scalable and efficient cloud-based management (10%).

**Patent published at INTELLECTUAL PROPERTY INDIA on April 5th, 2024 (Application No. 202441024478)**

### • PC CRAFTSMAN: PRECISION INVENTORY MANAGEMENT

*(Technologies used : Java programming and MySQL)*

Developed a console project for managing PC assembly shop inventory and generating bills using Java and MySQL. Implemented inventory management features to track stock levels, update inventory, and manage product details efficiently (40%). Utilised MySQL for robust and scalable database management, ensuring data integrity and quick access to inventory and billing information (30%). Designed an intuitive console interface to facilitate seamless interaction for users, enabling efficient billing processes and inventory updates (20%). Integrated error handling and data validation to ensure smooth operation and prevent inconsistencies (10%).

### • PERSONAL PORTFOLIO WEBSITE

*(Technologies used : HTML, CSS, Javascript)*

Designed and implemented responsive layouts to ensure optimal viewing across various devices. Integrated dynamic content and interactive elements using JavaScript to enhance the user experience. Emphasised clean, semantic code and modern design principles for a professional online presence. Deployed the website and implemented version control using GitHub.

## ACHIEVEMENT

As the Club Editor for the Rotaract Club at Sri Shakthi Institute of Engineering and Technology, I am responsible for creating and disseminating promotional materials such as posters, magazines, and brochures for every club event. This role involves designing visually appealing and informative content that effectively communicates event details. I collaborate with club members and event organisers to ensure alignment with the club's objectives, honing my skills in graphic design, content creation, and project management.