GURU PRASATH K S

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EXECUTIVE SUMMARY

Aspiring Software Engineer and a Computer Science graduate with a solid academic foundation and extensive hands-on experience in building scalable, efficient software solutions. Proven ability to deliver innovative outcomes through practical projects, with a strong drive to apply technical expertise in collaborative team environments to achieve meaningful results.

EDUCATION

INTEGRATED MSC SOFTWARE SYSTEMS, Coimbatore Institute of Technology. May 2025

CGPA : 8.84 / 10

- **Relevant coursework :** Object Oriented Programming, Database Management Systems, Data structures and Algorithms, Operating Systems, Computer Networks and Web Development.

WORK EXPERIENCE

D. E. Shaw India www.deshawindia.com   Hyderabad, India
Member, Tech   *Jun 2025 - Present*

- Strengthened internal testing capabilities by validating and optimizing a Python-based test framework for end-to-end application coverage. Developed structured test reporting for automation suites and integrated them into QA workflows.

Member, Tech Intern   *Apr 2025 - May 2025*

- Designed and implemented automated test cases for a task scheduling client interface using **Python** and **Pytest**, validating scheduling logic and backend execution while improving efficiency with reusable scripts.

Klenty Soft Inc. www.klenty.com   Chennai, India
Software Engineer Intern   *Dec 2024 - Mar 2025*

- Implemented billing restrictions using Chargebee API to block credit purchases for users with pending invoices while introducing conditional checks for high value transactions, ensuring secure and automated payments.
- Developed and optimized **RESTful API** using **Node.js/Express**, improving server performance with lower response time and scaling to handle a growing volume of daily transactions seamlessly.

Software Engineer Intern   *May 2023 - Nov 2023*

- Replaced hard-coded call types with user-configurable options, updating 45,000 records across 20,000 clients in **MongoDB**, allowing seamless customization and enabling real-time adjustments to functionality.
- Implemented robust test suites with **Mocha** and **Chai** to validate the functionality of the web application, significantly enhancing the bug detection process and reducing the average resolution time.

ACADEMIC PROJECTS

Online Food Ordering Platform.   https://app.guruprasath.site

- Developed a scalable online food ordering platform using **MERN** Stack, integrated Auth0 for authentication, implemented secure payment processing, and designed a responsive UI. Achieved a 30% faster user authentication process.

Hotel Booking App.   https://app2.guruprasath.site

- Created a hotel booking app with **MERN** stack, enabling seamless accommodation search and reservation. Incorporated **JWT** for secure authentication, set up test payment functionality, and built a fully responsive user interface.

SKILLS

Programming Languages : C++, Java, SQL.

Web Development : HTML, CSS, JavaScript, TypeScript, React.js, Node.js, Express.js.

Databases : MySQL, MongoDB.

Other Tools and Tech : Git, Postman, Docker, RabbitMQ, SOLID Principles and Design Patterns.

Soft Skills : Self-Motivated, attention to detail, problem-solving, leadership, adaptability, communication and teamwork.

Areas of Interest : Full-stack Development, Back-end Engineering, Mobile App Development.

ACHIEVEMENTS & CERTIFICATIONS

- Completed a total of 600+ coding problems across leading platforms like LeetCode, GeeksforGeeks. Showcasing a strong dedication to mastering data structures and algorithms.
- Mastering Data Structures and Algorithms using C and C++ by Udemy.
- Java Programming by Udemy.