

R. SRIRAM

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Pre-Final Year Computer Science (Business Systems) student at VIT Vellore with a strong foundation in programming, databases, and team-driven innovation. Known for rapid learning, strong communication, and leadership in campus teams and clubs. Seeking to leverage technical skills and project experience in dynamic and growth-focused environments.

EDUCATION

YEAR	DEGREE / EXAM	INSTITUTE	CGPA/PERCENTAGE
2023-Present	B.Tech.	Vellore Institute of Technology, Vellore	8.81 CGPA
2022-2023	CBSE-XII	Sree Gokulam Public School, Chengalpattu	91%
2020-2021	CBSE-X	Kendriya Vidyalaya No.1 GCF, Jabalpur	95.4%

WORK EXPERIENCE / INTERNSHIPS

Tata Advanced Systems Ltd. (TASL), Noida | Intern – Software Tester

May 2024 – June 2024

- Gained hands-on exposure to the workings of advanced radar systems used in aerospace and defense applications.
- Tested radar functionalities using command-line tools and a Linux-based environment, performing real-time diagnostics, monitoring system health, and checking communication protocols.
- Used terminal-based commands for configuration, system boot-up checks, hardware interface validation, and network pinging between radar units and test modules.
- Understood signal propagation, waveform transmission, and how object detection is interpreted via radar reflections.
- Learned to navigate and operate within secure testing labs, following strict confidentiality and procedural compliance standards.
- Collaborated with engineers on documentation and troubleshooting steps during radar simulation and testing scenarios.

PROJECTS

Recipeek – Smart Recipe Recommendation Web App

- Tech Stack: Python, JavaScript, HTML/CSS, Edamam API, Firebase | Jan 2024 – Mar 2024
- Developed a web-based recipe suggestion platform that recommends dishes based on available ingredients input by users.
- Integrated the Edamam API to fetch accurate recipe details including cuisine type, dietary filters (veg/egg/non-veg), ingredients, and instructions.
- Designed a responsive, clean UI with image-based result templates and search functionality.
- Implemented features like random dish suggestions, user account creation, and favorites tracking using Firebase Authentication and Realtime Database.
- Focused on usability and minimalistic UI, with options to filter results by diet preference, meal type, and cooking time.
- Designed with future enhancements in mind, including AI integration for image-based ingredient detection and expiry tracking.

EXTRACURRICULAR ACTIVITIES

Defense Research and Development Organisation (DRDO)

June 2025

- Gained exposure to the development process of missile systems, including component assembly, propulsion mechanisms, and guided navigation technologies.
- Observed how INS and radar-based guidance systems are tested and calibrated for accuracy and reliability.
- Understood the structure and role of fire control systems, command modules, and how integrated software-hardware coordination ensures missile launch precision.
- Witnessed simulations and controlled test runs, learning how performance is monitored and adjusted through real-time telemetry.
- Interacted with engineers to understand DRDO's protocols for system validation, version control, and classified testing environments.

Senior Core Team (Stellar – VIT Astronomy Club)

- Organized and coordinated key events such as Celestial Dive, Space Week, Celestial Combat, and Cosmic Walk. **March 2024- Present**
- Handled event planning, logistics, and on-ground execution alongside fellow core members.
- Helped negotiate and acquire sponsors for various events and
- Assisted in hosting stargazing sessions, interactive space quizzes, and guest speaker talks.
- Helped increase club engagement and visibility through active promotion and student outreach.

