JERIN RAJ S

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EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, ELECTRONICS AND COMPUTER SCIENCE (2023-2027)

EXPERIENCE

CLUB MEMBER, DSA (directorate of student affairs) | On Campus (SRM, Chennai, INDIA) May 2024 -

- Demonstrated leadership and organizational skills as an active member of the Directorate of Student Affairs at SRM University, Chennai. Contributed to event management, including planning and executing campus activities. Led workshops and seminars focused on developing students' soft skills, leadership, and personal growth.

PROJECT TRAINEE, Aakash research labs | On Campus (India) May 2024 -

- Worked as project intern at Aakash Research Lab to earn recognition for innovation and academic excellence. Assisted in publishing research findings in conferences and journals, highlighting the lab's contributions to the scientific community.

CEM INTERNSHIP, SRM | India Aug 2025 -

Student Intern at CEM workshop involved in the development and optimization of autonomous vehicles and solutions for projects. Responsibilities include troubleshooting technical issues, supporting system integration, and collaborating with cross-functional teams to enhance operational efficiency in line with CEM's technology objectives

INDUSTRIAL TRAINEE, BSNL (Bharat Sanchar Nigam Limited) | India NOV 2023 - DEC 2023

- Gained practical experience in installing, maintaining, and troubleshooting telecommunications equipment such as switches, routers, and transmission systems. Supported daily network operations by monitoring performance, analyzing traffic, and implementing corrective actions. Contributed to documenting network configurations and troubleshooting procedures for future reference and knowledge sharing.

PROJECT INTERNSHIP, HAL (Hindustan Aeronautics Limited) | India AUG 2024 - SEP 2024

- Project Intern at Hindustan Aeronautics Limited (HAL), involved in the development and optimization of IT solutions for aerospace projects. Responsibilities include troubleshooting technical issues, supporting system integration, and collaborating with cross-functional teams to enhance operational efficiency in line with HAL's aerospace technology objectives.

SKILLS

Languages	Python, C/C++, Java, MATLAB, Git, IOT, SQL, AutoCAD, ARDINO
Software	Linux, CAD, KEIL, Jyupter, ARDINO
Certifications	Foundation in software development(python) The Complete Ethical Hacking Course: Beginner to Advance, ROS (beginner certificate) , Introduction to Embedded Systems by Colarado University, Data analytic by IBM

PROJECTS

LIGHT FOLLOWING ROBOT USING IOT | NOVEMBER 2024

• Developed a light following robot using Arduino uno, IR sensors. Programmed code for the robot to effectively functional and analysed the results using statiscal tools

IR remote control , SRM INSTITUTE (Campus Competition) October 2024

- Developed a IR remote controlled LED prototype using LEDs, photodetectors, and microcontrollers. Programmed data transmission via light pulses and analyzed results using statistical tools. Secured 1st place in the competition..

Echo Reflector app Jan 2025

- Reviewed literature on thyroid disorders and diagnostics, designed protocols for invasive procedures, and analyzed patient data to improve diagnosis and management, **achieved 90% accuracy of the solution.**

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