

Proactively seeking an IT internship opportunity to leverage my skills in Python, SQL, and cloud technologies to address real-world challenges in the tech and fintech domains. I hold multiple Google Cloud certifications and have foundational knowledge in Generative AI, data analytics, and MongoDB. Currently pursuing the Google Data Analytics Certificate, I am passionate about applying data-driven insights to optimize operations, automate workflows, and enhance data quality. With hands-on experience in tools like Vertex AI, I aim to contribute to innovative and impactful technology solutions through collaborative, cross-functional teamwork.

Education

Sri Sairam Engineering College | B.E. (Mechanical Engineering)    Chennai, Tamilnadu | OCT 2022 - MAY.2026  
CGPA: 9.14 (Up to 5<sup>th</sup> Semester), Department topper, Class Representative

Raja Higher Secondary School | HSC    Ettayapuram, Tamilnadu | JUN .2019 - APR.2020  
PCMB, 87.67%, School topper

Raja Higher Secondary School | SSLC    Ettayapuram, Tamilnadu | JUN .2018 - APR.2019  
97.2%, School topper

Skills

Technical Skills: Python, SQL, C, C++, HTML, CSS, JavaScript, Git, MongoDB, Google Cloud, Vertex AI, Power BI, Tableau.

Tools & Platforms: Google Cloud Platform (GCP), VS Code, Jupyter Notebook, Notion, Canva, Figma, Microsoft Office Suite

Soft Skills: Team Collaboration, Effective Communication, Active listening, Problem-Solving, Leadership, Time Management, Adaptability

Work experience

Process Control Valves | Technical Intern    Chennai, Tamilnadu | FEB.2024 – MAR 2024

- Improved inspection efficiency by 15% by analysing defect patterns with the QC team.
- Verified part tolerances using engineering drawings and specifications.
- Supported ISO audit readiness by maintaining QA reports and checklists.
- Gained hands-on exposure to ERP systems for tracking defects and inventory.
- Collaborated with design and production teams to resolve product issues.

Ad Astra | R&D Engineer    Chennai, Tamilnadu | FEB.2024 - Current

- 15th place globally, IRC–25 | Recognized by President of India
- Coordinated with software & electronics teams to integrate control systems, ensuring **real-time response** under field constraints.
- Applied **system-level thinking** to streamline testing cycles and improve cross-functional team efficiency by **20%**.
- Contributed to rover design using **CAD tools**, supporting documentation for **agile iteration** and performance tracking.
- Enhanced rover terrain adaptability by refining the **rocker-bogie suspension**, aiding in precise movement over uneven surfaces.
- Built **technical communication and collaboration skills**, aligning with IT workflow standards and inter-team coordination.

## Extra-Curricular Activities

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### Google Developer Groups | Student Member

Chennai, Tamilnadu | JAN.2023 – Current

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- Verified part tolerances using engineering drawings and specifications.
- Supported ISO audit readiness by maintaining QA reports and checklists..
- Collaborated with design and production teams to resolve product issues.

### University Grants Commission | NEP SAARTHI

Chennai, Tamilnadu | JAN.2025 - Current

- Student Ambassador for Academic Reforms; Selected by the Ministry of Education, Government of India, to represent student perspectives in implementing the National Education Policy.

### Tech & Society Talk | Public Speaker

Chennai, Tamilnadu | JAN 2024

- Delivered a speech on “The Impact of Social Media on Youth” to over 2,000 students. Demonstrated communication and digital awareness skills.

### Muskurahat Foundation | Fundraising Volunteer

Chennai, Tamilnadu | JUL 2024 – AUG 2024

- Led awareness campaigns and secured funding for initiatives supporting underprivileged children through digital outreach.

### NASA | Citizen Scientist

Chennai, Tamilnadu | MAR 2023 – DEC 2024

- Delivered a speech on “The Impact of Social Media on Youth” to over 2,000 students. Demonstrated communication and digital awareness skills.

### Unnat Bharat Abhiyan | Volunteer

Chennai, Tamilnadu | NOV 2022 – Current

- Assisted in rural community outreach using digital tools for data collection and policy feedback.

### India Design Week 2024 | Finalist

Chennai, Tamilnadu | JUL 2024

- Recognized nationally for a CAD-based mechanical design. Applied design thinking and rapid.

## Projects and Publications

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### ○ Streamlined Solution for Efficient Cleaning (SSEC):

- Engineered a semi-automated system for industrial kitchen vessels, reducing water/energy use; showcased and published as a review paper.

### ○ Solar Tracking System (Non-Electric):

- Designing a passive solar tracker that adjusts panel angles using heat/light variation without electronics; improves energy efficiency in off-grid areas.

### ○ Publication of review paper:

- Presented a review paper titled “*Streamlined Solution for Efficient Cleaning (SSEC): Revolutionizing Kitchen Maintenance*” at the 12th International Conference on Advanced Science and Engineering Research (ICASER 2024)

## Courses and Certifications

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| • Design Thinking - A Primer, NPTEL                                   | • Foundations: Data, Data, Everywhere Course (Google), Google Via Coursera |
| • Understanding Design, NPTEL   | • MongoDB and the Document Model, MongoDB                                  |
| • Python, GUVI  | • Data Structures and Algorithms in Python, Udemy                          |
| • Perform Foundational Data, ML, and AI Tasks in Google Cloud, Google |  |

## Courses and Certifications

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### ○ Winner (1st Prize) – Solveathon 3.0:

- Awarded for proposing an innovative solution addressing the United Nations Sustainable Development Goals

### ○ Third Prize – Ideathon 3.0:

- Recognized for presenting impactful and sustainable project ideas aligned with SDGs.

### ○ Stars of Maatram Award – 2023:

- Recognized for academic excellence and impactful volunteer work with the Maatram Foundation.