

Surya MU

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Education

VIT Chennai

Bachelor of Science in Computer Science (Current CGPA: 8.45 / 10.00)

Expected June 2025

Chennai, Tamilnadu

- **Relevant Coursework:** Data Structures and Algorithms (C++), Design and Analysis of Algorithms, Operating Systems, Artificial Intelligence, Digital Image Processing, Internet and Web Programming, Compiler Design.

Experience

Center for Development of Advanced Computing (CDAC), Chennai

Nov 2023 – Dec 2023

Full Stack Developer Intern

Chennai, India

- Developed and implemented a Security Information and Event Management (SIEM) Dashboard to monitor network activities of over 100 users using the ELK Stack.
- Utilized Django API to monitor real-time network events, enhancing security response times and reducing potential threats.
- Contributed to the student repository under the guidance of the CDAC Mentor, ensuring the dashboard's accessibility and utility for future students.

Ethnus,

Aug 2023 – Nov 2023

Full Stack Developer Extern

Remote

- Completed a comprehensive MERN Full Stack revision course, learning foundational web development skills including HTML, CSS, JavaScript, Bootstrap, React, MongoDB, and Node.js.
- Collaborated in a team of 5 to create *EduSchool*, an education hub for students, parents, and teachers to post assignments, marks, notices, and class details, using the MERN stack.

Smartinternz

Aug 2023 – Oct 2023

Android App Development Intern

Remote

- Completed a full-on revision course on basics of Android Studio, XML, Layout Engine, Gradle, Kotlin and Java.
- Collaborated with a team of three to develop a realtime room-based chat application called *ChatConnect* with Kotlin.

SEDS Antariksh Space Club of VITCC

Dec 2022 – Feb 2023

Project Team

Chennai, India

- Collaborated with a team with 20+ members to organize a tech-fest event *Enthalpy* with over 200+ members actively participating.
- Interacted with seniors of same club with a innovative workshop involving ex-ISRO Scientist Dr.Manish Purohit.
- Contributed to the working project team to conduct workshops, brainstorm ideas, manage events and collaborate for meets.

Projects

Lost and Found Hub | *React.js, MongoDB, Node.js, Express.js* | **Project Link**

- * Developed a web application in collaboration with three teammates, aimed at facilitating college students in my university campus to post, report, and find lost items easily.
- * Achieved around 100+ active users with around 10+ daily posts.

SIEM Dashboard | *Node.js, Elasticsearch, Django-Apache API, JavaScript/HTML/CSS* | **Project Link**

- * Contributed to the development of a security and event management web-tool that functions as an admin dashboard application.
- * Implemented features to alert changes, display network devices, log history of network details, and log actions.
- * Served as the final project during my internship at CDAC.

AI-Based Text Summarizer | *Hugging Face API, Postman API, CSS, JavaScript, HTML* | **Project Link**

- * Created an AI-based text summarizer that summarizes text in real-time.
- * Utilized Hugging Face API and Postman API to efficiently convert text into summaries in seconds.
- * Designed a lightweight web tool with CSS, JavaScript, and HTML.

Technical Skills

Languages: HTML, CSS, Python, C, C++, Java

Technologies: GitHub, Git, Bootstrap, React, Express.js, Node.js, MongoDB, MySQL, Elasticsearch, Flask, jQuery, AJAX

Concepts: Artificial Intelligence, Operating Systems, Information Systems, API Management, Agile Methodology, Linux, Bash

Certifications

- **MATLAB Image Processing Onramp**
Issued Jan 2024, MATLAB Coding
- **Build an AI-Based Text Summarizer App**
Issued Nov 2023, Postman
- **Google Cloud Computing Foundations**
Issued Nov 2023, NPTEL
- **Postman API Fundamentals Student Expert**
Issued Nov 2023, Postman
- **JavaScript Essential Training**
Issued Oct 2023, LinkedIn
- **React.js Essential Training**
Issued Oct 2023, LinkedIn
- **Introduction to Git and Github**
Issued May 2023, Google Career Certificates
- **The Joy of Computing with Python**
Issued May 2023, NPTEL
- **Using Python to Interact with the Operating System**
Issued May 2023, Google Career Certificates
- **Crash Course in Python**
Issued Apr 2023, Google Career Certificates
- **Flipkart GRiD 4.0**
Issued Jul 2022, Unstop
- **Create Your First Web App with Python and Flask**
Issued Mar 2022, Coursera

Social Engagements

Core Project Team Member: SEDS Space Club

Member: Game Development Club

Volunteer: Earth5R

Freelancer: Subject Matter Expert at Chegg