

# ABINAYAA SREE K S

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## Education

**M.Sc. Software Systems (Integrated)**

*Coimbatore Institute of Technology*

**2021 – Present**

*CGPA: 8.56*

## Work Experience

**React Developer**

*Satyukt Analytics Pvt. Ltd.*

**Jul 2024 – Dec 2024**

*Bengaluru, Karnataka*

- Migrated Sat2Farm web portal successfully from PHP to React, boosted performance by 40 %, page load time reduced from 5s to 2.5s, and overall scalability to serve 10,000+ concurrent users.
- Employed 50+ React components, Redux state management, and API integrations which allowed 30 % faster data retrieval and seamless frontend and backend services interaction.
- Designed and launched responsive UI/UX features, driving user activity up by 25 %, reducing bounce rate by 15 %, and simplifying navigation for a better user experience. Collaborated closely with the development team to fix 100+ bugs.
- Boosted performance by 20 %, and facilitate successful deployment, stable systems, and quality code.

## Skills & Interest

**Languages**

C, C++, Python, HTML

**Tools and Technologies**

CSS, React.js, Node.js, Git, GitHub

**Database**

Relational database, MongoDB

**Frameworks**

Django, Flask

**Soft Skills**

Flexible Approach, Decision Making, Leadership, Teamwork.

**Areas of Interest**

Data Structures, OOPS, Full Stack Development, DBMS

## Projects

**AI-Calendar-Assistant**

*HTML, CSS, JS, Flask*

- Created an AI-powered calendar assistant using Flask that creates, updates, and deletes Google Calendar events via Gmail replies, handling 50+ workflows with 95% accuracy and reducing manual scheduling.
- Used Gemini LLM to process 100+ natural language inputs and intelligently prompt for missing details like date or email or event name and time, ensuring complete and error-free event operations in real time.

**Foodie Fleet**

*Java Swing, MySQL*

- Created a Swing-based college food ordering system for 500+ students per day, with time-based automated functionality, 100 % mobile responsiveness, guest checkout cutting order time by 40 %, and seamless integration with campus systems for effective account management.

**Verity Vision: Unmasking Deception**

*Python, Flask, Scikit-learn, Pandas*

- Developed a Flask web application with 90 % accuracy in identifying 1,000+ news articles as real or fake based on logistic regression and TF-IDF vectors.
- Integrated a secure logon system and a user-friendly interface, through which easy input and analysis of news reports were available.

## Roles & Responsibilities

- Organized "RED LIGHT GREEN CODE" tech event in Melinia'25 with 100+ participants, leading a 5-member team and receiving 95% positive feedback.
- Co-authored a research paper titled "Student Placement Prediction," which was accepted for publication at i-PACT'23, VIT, Vellore.

## Achievements & Awards

- **CRYPTERA'23:** Tech Feud Runner, Coimbatore Institute of Technology, Coimbatore.
- **CRYPTERA'25:** Coding Contest Runner, Coimbatore Institute of Technology, Coimbatore.
- **MELINA'24:** Secured a Top 10 position in a hackathon, Coimbatore Institute of Technology, Coimbatore.