

# JAKKU HARSHAVARDHAN

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## Education

### SR University

July 2022 – May 2026

B.Tech in Computer Science, DSA & SE coursework, Hackathon Secretary, **CGPA : 9.47**

## Projects

### Fact Finder AI | Python, NLP, ML

March 2024 – May 2024 (3 months)

- Developed a machine learning NLP model for fake news detection with 92% accuracy, using tokenization and vectorization to optimize performance and reduce bias by 15%.

### Calendar using DS & Database Engine | C, SQLite3

August 2023 - December 2023 (5 months)

- Created a C language calendar application using linked lists, managing over 50 events with efficient date navigation.
- Integrated with a database, achieving 100% event persistence for reliable long-term storage and retrieval.

### Student Result Management System | HTML, CSS, Python, MySQL

January 2023 - June 2023 (6 months)

- Engineered a Student Result Management System to automate 500+ student records.
- Improved data accuracy by 95% & reduced processing time by 40% compared to paper-based methods.

## Internships

### AWS Cloud Virtual Internship

July 2024 – September 2024

AWS Cloud Intern

3 months

- Leveraged AWS services, including S3 for scalable storage and EC2 for web hosting, improving operational efficiency and reducing costs by 30%.

### Triyas Tech Solutions

March 2024 – September 2024

Full Stack Developer Intern

6 months

- Developed a chatbot with the Groq API to manage 10,000+ messages, improving response accuracy by 25%.
- Enhanced the website using Next.js & Tailwind CSS, boosting page load speed by 30% & user engagement by 25%.

### Intern Pe

November 2023 – December 2023

Python Intern

1 month

- Engineered three interactive applications using Python's Date and Math modules within four weeks; streamlined development by implementing modular code practices that reduced overall coding time by 20 hours.

## Skills

- Languages** | C, Python, HTML/CSS, JavaScript, MySQL, Oracle, PL/SQL, Java
- Developer Tools** | VS Code, Git, GitHub, Figma, Postman, PowerPoint
- Technologies/Frameworks** | AngularJS, APIs

## Achievements

- Ranked in the top 10 for academic GPA and CodeClash organized by the IEEE TEMS, VIT Vellore
- Led a project that demonstrated creativity and collaboration, earning first place at the SRU Idea Conclave.
- Designed and implemented an innovative AI chatbot during the SIH Hackathon Grand Finale, which automated responses for 150+ common customer queries, enabling team members to focus on complex issues.
- Solved numerous coding challenges during a 12-hour hackathon by using algorithms to improve efficiency.

## Certifications

- Introduction to Front-End Development
- Introduction to Back-End Development
- Generative AI with Large Language Models