

SIVA PRASAD UMMANENI

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SUMMARY

Innovative and results-driven final-year BSc Computer Science and Mathematics student with a passion for leveraging technology to solve real-life problems. Proficient in multiple programming languages (HTML, CSS, JavaScript, C, Python, R, SQL, Java) and skilled in research methodology, data structures, cloud computing, and IoT. Demonstrated leadership, teamwork, and team management abilities through successful project development. Completed industry-recognized certifications in AI, databases, data science, and cybersecurity. A visionary thinker, eager to collaborate with MNCs to transform groundbreaking ideas — like mobile signal enhancement devices — into market-ready products. Committed to creating innovative solutions, driving impactful change, and building a sustainable, tech-driven career.

16PF: COMMANDER
IQ: 110

EDUCATION

Bachelor of Computer Science Vignan University	September 2022- May 2025 Guntur
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Intermediate(M.P.C) Narayana jr college (614/1000)	July 2020- May 2022 Mangalagiri
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10th Sri Chaitanya Schools (584/600)	June 2019- March 2020 Mangalagiri
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PROJECTS

Face Golden Ratio Check

<https://github.com/siva-1916/Face-Golden-Ratio-Check>

- Developed a Python-based tool that analyzes facial images to calculate their adherence to the golden ratio, providing a beauty score out of 10. This project demonstrates proficiency in image processing and mathematical analysis.

Auto Image Compressor

<https://github.com/siva-1916/Auto-Image-Compressor>

- Developed a web-based tool that compresses images to 200KB and automates their upload within forms, enhancing efficiency in handling image data.

Regula Falsi Method webpage

<https://github.com/siva-1916/Regula-Falsi-Method>

- Developed a web-based application implementing the Regula-Falsi (False Position) Method to find function roots. Users input a function, initial guesses, and a tolerance value; the tool iteratively applies the method, displaying results in a table.
- Technologies used include HTML, CSS, and JavaScript.

Nas Pendrive (on-going)

- Designed a portable Network-Attached Storage (NAS) device, enabling seamless file sharing and remote access over a network.
- Aimed to provide cost-effective, plug-and-play storage with enhanced accessibility and data management features.
- Explored alternatives to demonstrate the project concept due to budget constraints.

SKILLS

Technical Skills:

- Programming Languages: HTML, CSS, JavaScript, C, Python, R, SQL, Java
- Web Development: Frontend design, responsive layouts
- Data Science & Analysis: Python for data analysis, R for statistical computing
- Databases: SQL, relational database management
- Security & Networking: Cybersecurity practices, network protocols

Core Competencies:

- Research methodology and analytical thinking

- Data structures and algorithms
- Leadership, teamwork, and team management
- Innovative thinking for real-life problem-solving
- Project planning and execution

CERTIFICATIONS

HTML sololearn	July 2021
Programming in Python SWAYAM	April 2023
Fundamentals of Cybersecurity(EDU-102) zscalar	May 2024
Python 101 for Data Science Cognitive class	July 2024
SQL and Relational Databases 101 Congnitive Class	July 2024
Artificial Fundamentals IBM Skillbuild	August 2024
International Workshop on Research Informatics: A module of research Methodology Maryam Abacha - American University of Nigeria	September 2024

LANGUAGES

Telugu Native or Bilingual Proficiency	English Professional Working Proficiency	Hindi Limited Working Proficiency
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