

# SISTA GOPALA KRISHNA

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## EDUCATION

### NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH

2021 - 2025

B.Tech in Computer science and Engineering - **CGPA - 7.81**

### ADITYA JUNIOR COLLEGE

2019 - 2021

Intermedeate in MPC - **Percentage - 97.6%**

## EXPERIENCE

### DEPARTMENT OF COMPUTER SCIENCE NIT WARANGAL

JUN 2023 - JUL 2023

*Research Intern*

Warangal, India (On-site)

- Presented **Genetic Algorithm for Secure Domination Problem** paper, accepted at **ICAMM2023**.
- Proposed a genetic algorithm-based solution for solving a well-known variant of domination problem called secure domination.
- Designed meta-heuristic algorithm for solving secure domination.

## PROJECTS

### PHISHING URL DETECTION | Python, HTML, CSS, Pandas, Machine Learning.

- Developed a machine learning model using Pandas, NumPy, and Random Forest/Decision Tree classifiers.
- Detected fraudulent website links by analyzing 15 features of URL such as domain name, IP address.
- achieved accuracy score of the model by 81%.

### GENETIC AND PSO FOR SECURE DOMINATION NUMBER | Algorithms, Python, Graphs.

- Designed a heuristics for secure domination of graphs.
- Optimized results using Genetic and Particle Swarm Optimization algorithms for more than 200 graphs.
- Achieved results lower than upper bound on random graphs generated using Erdos-Renyi and Harwell Boeing data sets over  $5 * 10^4$  and  $10^5$  iterartions.

### CHESSSUP | ReactJS, Redux, JavaScript, MongoDB, NodeJS, SocketIO, ExpressJS.

- Developed a multiplayer end-to-end chess game using ReactJS, Redux, JavaScript, MongoDB, NodeJS, SocketIO, and ExpressJS.
- Features chat windows, surrender requests, draw and roll-back options, and replay mode.
- User-friendly front-end and efficient back-end architecture.

## TECHNICAL SKILLS

Languages	<b>Adept:</b> Java, <b>Familiar:</b> Python, C, C++,JavaScript, SQL
Coursework	DSA, AI, NLP, OOPS, Operating Systems, Web development
Technologies/Frameworks	MongoDB, MySQL, Linux, GitHub, ReactJS, NodeJS, ExpressJS

## ACHIEVEMENTS

- Ranked 1st in school in Class X examination with a 10 GPA.
- Achieved 1st place in the AMTI mathematics examination at the regional level.
- Ranked 1st in school and in the top 1 percent nationwide in JEE MAINS examination 2021.
- Top 1 percent in the AP EAPCET examination 2021.

## EXTRA-CURRICULAR

### GRAPHIC CAFE NIT AP

SEP 2023 - JUL 2024

*Executive Member (Designer)*

### CSE ASSOCIATION NIT AP

AUG 2022 - SEP 2023

*Volunteer*