

# Srikanth Dude

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## SUMMARY

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A self motivated and a goal oriented individual looking for acquiring experience in Computer Science. Passionate to learn new technologies and skills and gain exposure to the industry by applying my skills in a professional environment.

## PROJECTS

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### Geospatial Network Analysis with Wireshark and Google maps

analyzing network traffic on google maps

### Semi supervised Machine Learning approach for ddos detection:

A project which detect DDOS (distributed denial of service) attacks using machine learning approaches like KNN, MLP, LR and Decision Trees theorems by using python packages - numpy, pandas, scikit, matplotlib in jupyter notebook.

### Log analyser and Server Management :

- Implemented a robust log management system using Singer agents, Kafka, and ClickHouse to collect, parse, and analyze logs from diverse servers. Orchestrated seamless data transfer to Amazon S3 for long-term storage, facilitating integration with big data analytics technologies.
- Expanded project scope to include Grafana dashboards for real-time monitoring, alerting, and data extraction from ClickHouse.
- Demonstrated strong system management skills through automation of server provisioning, metrics tracking, disaster recovery, and performance optimization using Jenkins, Ansible, and Grafana.

### Sorting Visualizer

A platform to visualize various sorting algorithms in the form of a web page

### Self Balancing Robot

Implemented a close loop algorithm and by using PID tuning method to balance the wheels

### File Encryption Using Noise Images as Key (Ongoing)

## EDUCATION

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**Bachelor of Technology** , Computer Science

CMR College of Engineering & Technology

*Nov 2020 - Present*

GPA: 7.66

**Diploma, Computers Science,**

Ellenki College of Engineering and Technology

*Apr 2018 - Mar 2020*

GPA: 7.28

**SSC,**

Castle Town High School

*Jun 2007 - Apr 2018*

GPA: 8.8

## SKILLS

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**Programming Languages:** C, C++, java,SQL, HTML

Cyber security: LDAP, Ethical hacking, vulnerability Scanning, Network Security.

Operating Systems: Kali Linux, Ubuntu, Windows, MacOS

Development Environments: VSCode, IntelliJ IDEA

## ACHEVEMENTS

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### Smart India Hackathon 2023

Participated in Grand Finale of Smart India Hackathon 2023 Senior (SIH -2023) conducted by Ministry of Education, Government of India at OP Jindal University, Raigarh, Chattisgarh.

### Paper Publication:

Semi-Supervised Machine Learning Approaches for DDOS Attack Detection, Gopu Chitra Bhanu Reddy, Dude Srikanth, Jakkidi Santhosh Reddy, V Narasimha *International Journal for Multidisciplinary Research* <https://doi.org/10.36948/ijfmr.2023.v0>