

# Siddarth Reddy Gurram

Student at Mahindra University

I am an Artificial Intelligence student at Mahindra University with interests in Machine Learning, Natural Language Processing, Cloud Management and Human-Computer Interaction. I am a good debugger.

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## EDUCATION

### B. Tech

Mahindra University

06/2020 - Present

Bahadurpally, Hyderabad

#### Courses

- Artificial Intelligence

### 12th Grade

Sri Chaitanya Junior College

06/2018 - 06/2020

95.4

## PERSONAL PROJECTS

### E.R.I.C - the composer

- Eric is an A.I. bot who is trained on instrumental music using LSTM. Eric is capable of producing his own Piano music.
- <https://github.com/siddarthreddygsr/CTsh>.
- Sample Audio: [Link to mp3](#).

### Audio Reactive Visuals

- We trained NVidia's StyleGAN3 for 5 days on the DGX-1 utilizing 8 GPU's on around 6000 landscape images scraped from reddit.
- We used the output pkl files to generate the video which is responsive to the input audio file. Sample Video: [Video link](#).

### R.E.C.O.N

- Mentor:** [Praveen Kumar Alapati](#)
- We setup Raspberry Pi cluster with VLAN's on a managed switch
- Setup docker, kubernetes, SLURM and ansible
- Grafana + Prometheus monitoring to monitor the status of the Raspberry Pis, Grafana Alerts to send alerts on discord when something is unusual

### SSHmon

- A SSH monitoring tool that starts as a systemd process whenever the server power's on and logs every keystroke(excluding passwords) for improved security logs
- <https://github.com/siddarthreddygsr/SSHmon>

### CyberTrauma Shell

- A basic C++ shell interface that accepts user commands, then execute each command in a separate process.
- It provides a history feature that allows the user to access the most recently entered commands.
- <https://github.com/siddarthreddygsr/CTsh>

### SwiftUI Projects

- Spot-Menu:** Built a simple easy to understand UI that hooks up to Spotify app on Mac and displays the current playing song along with some quick reach controls. [Github Link](#)
- Bull Game:** Built a game in SwiftUI. [Github link](#)

### VS Code Theme

- A VS code theme that hit 1200+ downloads
- [VisualStudio Marketplace link](#)

## SKILLS

Linux Python C C++ Bash Swift

docker AWS Azure Digitalocean

kubernetes cloud ansible MLOps

AWS lamda CI/CD

## EXPERIENCE

Junior System Administrator (09/2022 - Present)

I am responsible for managing users and basic linux administration and also the security of the cluster and cross node networking.

## ORGANIZATIONS

Enigma - The Computer Science Club

Vice-President

## LICENSES & CERTIFICATIONS

NVIDIA DLI - Natural Language Processing

Awarded for the successfully *Building Transformer-Based Natural Language Processing Applications*. [Certificate](#)

## INTERESTS

Linux Machine Learning Deep Learning

Blockchain Workflow Automation