

# Ravineni Mahendra Naga Sainadh

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## EDUCATION

<b>B.Tech-Electronics and Communications Engineering,,</b> Amrita Vishwa Vidyapeetham <b>CGPA- 7.14/10.</b>	2018 – 2022 Kollam, India
<b>Intermediate.,</b> Narayana NAD <b>Percentage- 86%.</b>	2016 – 2018 Vijayawada, India
<b>Secondary Education.,</b> Sri Krishna Veni High School <b>GPA- 8.3.</b>	2015 – 2016 Vijayawada, India

## SKILLS

### Technical Skills

- C
- Python
- C++
- Data Structures and Algorithms.

### Hardware Programming

- Arduino
- Verilog

### Basics of Signal Processing

Matlab

### Personal Strengths

- Adaptive
- Interaction ability.

## WORKSHOPS

<b>Internet of Things</b> 🔗 • Introduction to Internet of Things using Arduino with the help of Ethernet Shield.	09/2019
<b>Fire Fighting Robot</b> 🔗 • Learned how to build a bot, how to code in Arduino and push the code into the UNO board, and learned about different sensors and their uses, controlling the bot with a mobile connected to a Bluetooth module.	01/2019

## PROJECTS

<b>Movie Recommendation System</b> • Built a recommendation system using python with team of 2 members. Where the model recommends movies to the user based on the rating of the movie that the user watched recently.	12/2020
<b>Drowsy Driver Detection System</b> • Developed a virtual detection system that detects whether the driver is drowsy or in a drunken state and makes an alert with a buzz and stops the vehicle.	12/2020
<b>Fire Fighting Robot</b> • With a team size of 3 member worked on designing and building a robot using Arduino. which detects fire when an accident occurs and helps in putting off the fire.	01/2019
<b>Cryptography using Verilog</b> • Implemented a Verilog-based project to provide privacy using the AES algorithm.	12/2021
<b>FPGA Implementation of a Modified Turbo Encoder</b> • Designed a Verilog-based project which helps in the reduction of errors while sending a message through a channel and we have used Turbo Codes which are more efficient and these codes help to reduce decoding complexity and signal-to-noise ratio(SNR).	05/2022

## INTERNSHIP

### Internship, I3 Technologies [🔗](#)

04/2023 – 07/2023

- Worked as artificial intelligence intern at i3 technologies

### Internship, Indian servers [🔗](#)

09/2020 – 12/2020

- Completed internship at Indian servers on machine learning.

## COURSES

### Practical Web Development [🔗](#)

05/2020

- Gained In-depth working knowledge in HTML, CSS, Javascript, XML, JSON, Git, PHP, and MySQL.

### Machine Learning Data Science and Deep Learning with Python [🔗](#)

05/2020

- Learned to make predictive modeling with linear regression, polynomial regression, and multivariate regression and Seaborn, Implementing machine learning at a massive scale with Apache Spark's MLlib.

### IBM Data Science, IBM [🔗](#)

07/2023

- Learned about open source tools and libraries, Python, databases, SQL, data visualization, data analysis, statistical analysis, predictive modeling, and machine learning algorithms. I have learned data science through hands-on practice in the IBM Cloud using real data science tools and real-world data sets.

## COMMUNITY OUTREACH PROGRAMS

### Student Social Responsibility Project

03/2021

- It is a five-member group project, where we have educated the people who are suffering from any kind of Addiction and brought awareness on the effects of addiction.

### Volunteering For Cadence Workshop

02/2020

- Trained students and guided them to get familiarized with the Cadence simulator also learned a few things related simulator and its working from the facilitators.

### Clean Up Drive

08/2019

- we are encouraged to clean the surroundings and localities of our college on behalf of Swatch Bharat.

### Amala Bharatam Campaign [🔗](#)

09/2018

- The main aim of this program is to implement new practical initiatives to clean India, promote health through hygiene and properly dispose of waste.

## HOBBIES

- Playing Games.
- Watching Anime's.
- Engage in group discussions and spend quality time with fellow members.