

Sowrya Gali

DEEP LEARNING ENTHUSIAST · SOFTWARE DEVELOPER

E-210, Boys Hostel, IIT Hyderabad

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Education

Indian Institute of Technology, Hyderabad

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

- CGPA: 8.88/10

Hyderabad, India

Jul. 2018 - PRESENT

Sri Chaitanya Narayana

INTERMEDIATE

- Score: 981/1000

Vijayawada, India

Apr. 2016 - May. 2020

Dr.KKR's Gowtham High School

HIGH SCHOOL DIPLOMA

- CGPA: 9.8/10

Tenali, India

Apr. 2016

Skills

Programming C/C++, Python, JavaScript, JAVA, Haskell, Prolog

Frameworks TensorFlow, PyTorch

Web Dev HTML5, CSS3, Bootstrap, ReactJS, Express with Node.JS

App Dev React Native

Dev Tools Git, Linux

Hardware Arduino

Work Experience

Honeywell

SHORT-TERM ASSIGNMENT

- Built solutions for industry-level problems using state-of-the-art deep learning models.
- Secured 2nd position in final evaluation.

Hyderabad, India

Dec. 2019 - Jan. 2020

IIT Hyderabad

UNDERGRADUATE RESEARCH ASSISTANT, UNDER DR. SRIJITH PK, IIT HYDERABAD

- Helped in building a tweet classifier to filter tweets relevant to natural disaster relief and further identify contact information of emergency personnel.
- [Repository](#)

Hyderabad, India

Jul. 2019 - Dec. 2019

IIT, Hyderabad

TECHNICAL LEAD

- Acted as the technical lead in IIT first year project.
- Programmed arduino to create smart street lighting, including interfacing sensors.

Hyderabad, India

Jul. 2018 - Jan. 2019

Projects

La cartera

MY PORTFOLIO WEBSITE

- A portfolio website showcasing my web development skills
- Developed using Bootstrap and JavaScript, currently migrating it to ReactJS

Repository

Jul. 2020 - Present

NeuraConnect

SENTENCE-IMAGE DUAL ENCODER

- Extract image and sentence embeddings into a common vector space, easing image-captioning, searching images based on description and vice-versa.
- Still under development

Jul. 2020 - Present

The Compiler

COOL LANGUAGE COMPILER

Apr. 2020 - Present

- Building a compiler for COOL language.
- Main framework used is ANTLR
- This is a part of Compilers course at IITH.
- Repository will be made public after the completion of course.

Academic Experience

Artificial Intelligence - ID1050

TEACHING ASSISTANT

IIT Hyderabad

Jan. 2020 - May. 2020

- An introductory course to general AI and game-playing

Data Structures - CS150

TEACHING ASSISTANT

IIIT Raichur

Jan. 2020 - May. 2020

- IIIT-R is a mentee organization of IIT Hyderabad

Coursework

CS Core

Algorithms, Data-Structures, Computer Architecture, Operating Systems, Principles of Programming Languages, Theoretical Computer Science, Compilers

Math

Calculus, Linear Algebra, Probability, Statistics, Stochastic Processes

Deep Learning

Artificial Intelligence(IIT), Deep Learning Specialization(Coursera), TensorFlow in Practice Specialization(Coursera), TensorFlow Deployment Specialization(Coursera), Advanced Machine Learning Specialization(Coursera)

Extracurricular Activity

Class Representative

DEPARTMENT OF CSE, BATCH 2018-2022

IIT Hyderabad

Jul. 2018 - Jul. 2019

- Elected class representative of 50 first year students.
- Interfaced with faculty and advocated for student needs.

Honors & Awards

2018 **All India Rank - 539**, JEE Main

India

2018 **All India Rank - 740**, JEE Advanced

India

2016 **Fellowship**, Kishore Vaigyanik Protsahan Yojna (KVPY)

IISc, Bangalore,

India

2014 **School Topper**, AMTI Olympiad

India

2013 **District Topper and 4th in State**, Ramanujan Olympiad

India

2013 **All India Rank - 150**, Unified Cyber Olympiad

India