Pedapati Satya Sai Amarsh

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Academic Details			
Year	Degree	Institute	CGPA/Marks(%)
2023	B.Tech Artificial Intelligence	Indian Institute of Technology Hyderabad	8.73
2019	XII (Telangana State Board Of Intermediate Education)	Sri Chaitanya Narayana Junior College	97.5%
2017	X (Board Of Secondary Education , Telangana State)	Sri Chaitanya Techno School	9.8

Scholastic Achievements

- Achieved **AIR 654** in **JEE-Advanced** 2019 examination
- Achieved **AIR 531** in **JEE-Mains** 2019 examination
- Achieved **AIR 157** in **KVPY** 2018 examination
- Awarded **KVPY Fellowship Award** under SX Stream in 2018 (IISc Bangalore)
- Was **selected** for Multiple high ranked colleges like **IISc Bangalore, BITS Pilani** and **IIIT Hyderabad** for the Computer Science branch
- **National Top 1** Percentile in **NSEA , NSEP** and **NSEC** in 2019
- Got **Selected** for **INChO** - 2019
- **National Top 1** Percentile in **NSEJS** -2017

Skills

- **Languages** - C, C++, Python, Java, JavaScript, SQL, Assembly Language (basics)
- **Others** - HTML, Solid Edge
- **Frameworks** - Pygame, PyTorch
- **Operating Systems** - Windows, Linux

Relevant Courses

- Statistics and Statistical Inference
- Foundations of Machine Learning and Deep Learning
- Linear Algebra and Convex Optimization
- Probability And Random Variable
- Discrete Structures
- Database Management Systems (DBMS)
- Operating Systems and Computer Architecture
- Introduction to Programming
- Data Structures and Algorithms

Projects

- **Intern** at **Linoy Technologies,** using CMake and Google Test
- Doing a project on **implementing Natural Language Processing (NLP)** for **4baseCare Diagnostic Center,** which uses **sentiment analysis** on comments, flagging them to be inappropriate sending them to the moderator
- Did multiple projects in **Deep Learning** which include object detection using OpenCV, Face detection, Canny edge Detection, image to text conversion using PyTorch
- Developed an **IMDB Database using PostgreSQL,** created an ER Diagram based on the IMDB data set and wrote SQL queries to get selected information from the IMDB data set
- Created an **ML model** which classifies whether someone should rent a bike or not, based on features like weather, time, bike name etc which achieved a **93.89% test accuracy on Kaggle**
- **Anti Accident Device using Piezoelectric material** in case of sharp turns, in which the change in pressure change is used to detect the oncoming traffic on the other side of the sharp turn, and can also store charge generated by the piezoelectric material which can be used to power the traffic vehicle indicator
- **Assembled a Drone**, calibrated the gyroscope, accelerometer and added a GPS including commands to make it automated and fly through a fixed path without any manual support

Extracurricular

- Part of IITH Basketball team under NSO
- Male model for "The Katha", an Online Boutique
- Hobbies: Origami, Guitar, Calisthenics, Pencil sketching and portraits
- Squash and Chess
- Can solve more than 7 different types of cubes, ex: 3x3, 4x4, 5x5, Gear Cube Extreme

Jyothsna Karra

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Education

NIT ANDHRA PRADESH
BTech in Electronics and Communication

📅 2019-2023   📍 Tadepalligudem, AP

Completed 6th semester. CGPA- 7.31

SRI CHAITANYA JUNIOR COLLEGE
Intermediate

📅 2017-2019   📍 Vijayawada, AP

Grade - 9.83

LOYOLA PUBLIC SCHOOL
ICSE

📅 2017   📍 Guntur, AP

93.5

Links

🔗 GitHub **jyothsnakarra**

in Linkedin **jyothsnakarra**

Coursework

GRADUATE
Machine learning
Programming for Data Science
Data Structures and Algorithms
Full Stack Web Development

Skills

PROGRAMMING
Python • R • Java • C++ • HTML/CSS • JavaScript • SQL

MISCELLANEOUS
Pspice • MatLab• Raspberry Pi• Git

Honors

NVIDIA DLI CERTIFICATE – FUNDAMENTALS OF DEEP LEARNING
NVidia Deep Learning Institute, Online

NVIDIA DEEP LEARNING INSTITUTE CERTIFICATE OF COMPETENCY: This certificate is awarded to me for demonstrating competence in the completion of FUNDAMENTALS OF DEEP LEARNING.

MACHINE LEARNING
Internshala Trainings, Online

Successfully completed a six weeks online certified training on ML. The training consisted of basics of Machine Learning.

Experience

WEB DEVELOPMENT INTERN
Striogya Startup

📅 June 2022 – Aug 2022   📍 Virtual

- In this internship I did many projects and mini-projects as well.
- Using HTML/CSS and Django, I designed many webpages as a part of this internship.

PYTHON DEVELOPMENT ASSOCIATE INTERN
The Entrepreneurship Network

📅 Aug 2021 - Oct 2021   📍 Virtual

- In this company, I worked as a Python development Associate. I learnt Django and made a report based on it. I built an e-commerce website and also developed a Django chat app.

CONTENT WRITER INTERN
Affnosys India

📅 Nov 2021 - Dec 2021   📍 Virtual

- I like to browse through the latest technology and write articles about the same.

CONTENT WRITER
ECE Herald - Magazine

📅 Aug 2021 – May 2022   📍 Indore, MP

- I am a part of our department's ECE HERALD's magazine club. I wrote many articles related to the latest technology.

Competitions

Flipkart Hackathon

📅 June 2022 – Aug 2022   📍 Virtual

- We had a team of 3 people under the alias '3 warriors' everyone had different skill sets we made a
- After passing all the three rounds, our team was declared the winner of our question set. We won a lump sum of 1lakh₹(s).

Recent Projects

YOUTUBE VIDEO DOWNLOADER
ytube-me

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A project under the guidance of Vibin brother, our senior, to download any youtube video using that respective youtube link.

MY AWESOME PORTFOLIO

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This is my 1st mini-project when I started my Web development internship.