

Maddala Karthik

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About

An enthusiastic problem solver committed to hard work, punctuality, and perfection of the given task. Confident Individual with efficient communication skills. Ability to learn new software and technologies quickly.

Education

AMRITA VISHWA VIDYAPETTAM,
AMRITAPURI, KERALA
BTech IN COMPUTER SCIENCE AND
ARTIFICIAL INTELLIGENCE
2020-Present CGPA: 8.86

SRI CHAITANYA JUNIOR COLLEGE
(RB1), VIJAYAWADA, AP
HIGHER SECONDARY SCHOOL
(MPC)
2018-2020 CGPA: 9.71
• Secured 97.65 percentile in All India
JEE Mains

SRI CHAITANYA HIGH SCHOOL,
BHIMAVARAM, AP
SECONDARY SCHOOL
2017-2018 CGPA: 9.30

Skills

PROGRAMMING

• Python • Familiar with Java

ML/DL FRAMEWORKS

• TensorFlow • PyTorch • Keras

WEB TECHNOLOGIES

• Html • Css • Bootstrap • Javascript
• Django

DATABASE MANAGEMENT

• SQL • PostgreSQL • Cassandra
• MongoDB

SOFT SKILLS

• Problem-solving • Critical thinking
• Time management • Flexibility

Links

• LinkedIn:// [karthikmaddala24](#)
• LeetCode:// [Karthik_Maddala](#)
• GFG:// [karthikmaddala24](#)
• HackerRank:// [U4AIE20046_DSA2](#)

Courses

DATA STRUCTURES AND ALGORITHMS IN PYTHON

OFFERED BY DATACAMP | May'23

ADVANCED DEEP LEARNING WITH KERAS

OFFERED BY DATACAMP | Apr'23

Experience

SUMMER INTERN AT VIVRITI CAPITAL

TECH INTERN (ON-SITE) | JULY 2023–AUG 2023

Researched on integrating LLMs with AWS for designing AI assistance. Also devised data privacy solutions by masking Aadhar card details using advanced OCR and image processing techniques.

ACM STUDENT CHAPTER MEMBER

COMPETITIVE PROGRAMMING CLUB | MAY 2022–OCT 2023

An ACM student society offers students networking, collaborative learning, and knowledge sharing opportunities on an international level.

Projects

AADHAAR UID MASKING TOOL

COMPUTER VISION BASED PROJECT | JULY'23 – AUG'23

Tech Stack: Python, PyTesseract OCR, OpenCV, Flask

- This project provides assist in extracting, verifying, and masking Aadhaar UIDs from images and scanned documents.
- Optical character recognition tool PyTesseract and image processing software OpenCV are used to address this problem.

EXAMINING AMAZON CUSTOMER REVIEWS | GITHUB

CLOUD ARCHITECTURE BASED NOVEL PROJECT | OCT'22 – DEC'22

Tech Stack: Python, PySpark, AWS, RDBMS

- The project is to do ETL and analysis of Amazon Vine reviews with AWS and PySpark.
- Analysed the vine reviews to identify the genuine reviews using pyspark.

NETWORK INTRUSION DETECTION | GITHUB

NETWORKING BASED PROJECT | SEP'22 – OCT'22

Tech Stack: Python, RYU-Controller, Mininet

- The project is to design an Intrusion Detection System to monitor network traffic, identifying and alerting suspicious activities.
- Developed network architecture and generated training data using Machine Learning.

Certifications

NETWORKING ESSENTIALS

OFFERED BY CISCO NETWORKING ACADEMY | MAY 2023 | **Certificate**

FINISHED SOFTWARE ENGINEER PRACTICAL TASK MODULE

COMPANY: JPMORGAN CHASE AND CO. | JULY 2022 | **Certificate**

Publications

- "Examining Amazon Customer Reviews Using PySpark and AWS: A Data Lake Approach", 14th ICCNT, Published in IEEE Xplore . **Paper**
- "Image Captioning: Analyzing CNN-LSTM and Vision-GPT Models", 9th I2CT, Approved for publication in IEEE Xplore with scopus indexed.

Achievements / Accomplishments

- Solved 700+ questions of DSA on Leetcode, GFG and Hackerank platforms.
- Institute rank 6 in GeeksForGeeks.
- 5-Star rating in Python HackerRank.
- Institute rank 11 in the 2nd round of CodeKaze June'23 in CodingNinjas.
- Best global rank 288 in Newton School CodeRush May'23.

Community Outreach

CODING AND PHYSICAL FITNESS AWARENESS WORKSHOP | NOV'22

Conducted a workshop for higher secondary students to understand the importance of coding and physical fitness. | [link](#)