

# Maddala Karthik

9577612222 | karthikmaddala24@gmail.com

## Education

**AMRITA VISHWA VIDYAPETAM**  
BTech in Computer Science and Artificial Intelligence  
June 2024 | CGPA: 8.89 | Kerala  
Graduated with Distinction.

**SRI CHAITANYA COLLEGE**  
Higher Secondary School (MPC)  
March 2020 | CGPA: 9.71 | AP  
Secured 97.65% in JEE Mains.

**SRI CHAITANYA SCHOOL**  
Secondary School  
March 2018 | CGPA: 9.30 | AP

## Links

LinkedIn:// Karthik Maddala  
LeetCode:// Karthik\_Maddala  
GeeksForGeeks:// karthikmaddala24  
HackerRank:// U4AIE20046\_DSA2  
Github:// karthik1124

## Skills

PYTHON | CLOUD | AWS | GRAFANA  
MONITORING | KAFKA | STROM UI  
KIBANA | SQL | CASSANDRA  
MONGODB | HTML | CSS | JS

## Certifications

**AWS CLOUD PRACTITIONER**  
AWS | Nov 2024 | [View](#)

**NETWORKING ESSENTIALS**  
CISCO | MAY 2023 | [View](#)

**DSA IN PYTHON**  
DATACAMP | MAY 2023 | [View](#)

## Publications

- "Image Captioning: Analyzing CNN-LSTM and Vision-GPT Models", 9th I2CT, IEEE, June 2024. [View](#)
- "Examining Amazon Customer Reviews Using PySpark and AWS: A Data Lake Approach", 14th ICCNT, IEEE, Nov 2023. [View](#)

## Community Outreach

**CODING & FITNESS AWARENESS**  
Led a workshop for over 200 high school students on the importance of coding and physical fitness. [View](#)

## Professional Experience

### SOFTWARE ENGINEER 2

JUNIPER NETWORKS - MIST AI DRIVEN ENTERPRISE

Jan 2024 – Present | Bangalore, Karnataka

- Transitioned from intern to full-time after 6-months; Managing AWS/GCP cloud infrastructure pushes, including pre- and post-deployment validations.
- Leading Kubernetes migrations (GKE/EKS) with infra suite validations for 180+ Mist services/components and overseeing SignalFX to Grafana and Storm Topology migrations.
- Monitoring, diagnosing, and resolving issues in AWS/GCP environments across microservices and distributed platforms.
- Familiar with all Mist products (AP/Switch/SRX/SSR/MXEdge) and API architectures, contributing to design improvements.
- Automating processes to streamline engineering operations.

### TECHNOLOGY INTERN

VIVRITI CAPTIAL

July 2023 – Aug 2023 | Chennai, Tamilnadu

- Integrated LLMs with AWS to design AI-driven assistance solutions.
- Developed data privacy solutions by masking real-time Aadhar card details using advanced OCR and image processing techniques.

### ACM STUDENT CHAPTER MEMBER

COMPETITIVE PROGRAMMING CLUB

May 2022 – Oct 2023 | Amritapuri, Kerala

- Participated in coding competitions and contributed to collaborative learning and knowledge sharing at an international level.

## Projects

### AADHAAR UID MASKING TOOL

PYTHON, PYTESSERACT OCR, OPENCV, FLASK

- Developed a tool to extract, verify, and mask Aadhaar UIDs from images and scanned documents.
- Utilized PyTesseract for optical character recognition and OpenCV for image processing to address this problem.

### EXAMINING AMAZON CUSTOMER REVIEWS

AWS, PYSPARK, PYTHON, RDBMS | [View](#)

- Implemented ETL processes and analysis of Amazon Vine reviews using AWS and PySpark.
- Analyzed Vine reviews to identify genuine feedback using PySpark.

## Awards & Achievements

- Solved 1000+ DSA problems on LeetCode, GFG, and HackerRank.
- Awarded for reducing cloud service anomalies in Production and Staging environments in Dec 2024. [View](#)
- Recognized for new cloud readiness and golden regression validations in May 2024. [View](#)
- Institute rank 8 in GeeksForGeeks.
- One of the top 4.2% of LeetCodeers awarded the 100+ Day Badge in 2023.
- 5-Star rating in Python HackerRank.
- Ranked 128 globally in Newton School CodeRush. [View](#)