Karthik Maddala

✉ karthikmaddala24@gmail.com 📞 9577612222

in Karthik Maddala Karthik_Maddala

U4AIE20046_DSA2 ⬡ karthik1124

Enthusiastic engineering graduate committed to hard work, punctuality, and perfection of the given task. Have knowledge of Python, HTML, CSS, Javascript, and SQL. Certified by J.P.Morgan company for finishing software engineer practical task modules. Ability to learn new software and technologies quickly.

🎓 Education

Amrita Vishwa Vidyapettam, *BTech in Computer Science & Artifical Intelligence* 2020 – present
CGPA:8.78 Amritapuri, kerala, India

Sri Chaitanya Junior College (RB1), *Higher Secondary School (MPC)* 2018 – 2020
CGPA:9.71 Vijayawada, AP, India

Sri Chaitanya High School, *Secondary School* 2017 – 2018
CGPA: 9.30 Bhimavaram, AP, India

🧠 Skills

Programming Languages (Python | Familiar with: Java, Cpp)

Web Technologies (HTML, CSS, Bootstrap, Javascript)

Database Management (SQL, Postgresql, Cassandra, MongoDB)

Soft Skills (Problem solving, Critical thinking, Time managment, Flexibility) | **Operating System** (Windows, Linux)

📁 Projects

Amazon Customer Review Analysis, *Cloud Architecture Based Project* ⬈ Oct 2022 – Dec 2022
Technologies Used: 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, *Netorking Based Project* ⬈ Oct 2022 – Dec 2022
Technologies Used: Python, RYU-Controller, Mininet
- The project is to design an Intrusion Detection System (IDS) which monitors network traffic for suspicious activity and issues alerts when such activity is discovered.
- Developed network architecture and generated training data.

ROS-enabled Surveillance robot, *Software And Hardware Based Project* ⬈ May 2022 – Jun 2022
Technologies Used: Python, ROS, Raspberry pi
- A ROS-Enabled surveillance robot is designed which can be controlled remotely and streams the video feed simultaneously.
- Webcam and Raspberry Pi were integrated to record the live video stream.

Network game using socket programming, *Client-Server Application Based Project* ⬀   May 2022 – Jun 2022
Technologies Used: Python, Tkinker
- Designed an network game using Python and socket programming.
- Developed web interface for client-server application using tkinker.

Solution to Knight problem, *Dynamic Programming Based Novel Project* ⬀   Oct 2021 – Nov 2021
Technologies Used: Python
- The project is to find minimum steps required by the knight to reach target and the probability of knight to remain on the chessboard.
- It uses the dynamic programming memorization strategy.

💼 Experience

Code@amrita club member, *A competitive coding club*   May 2022 – present
A student community that provides an insight into programming through various coding platforms and competitions. Learn about new things and give back to the community by helping each other learn and explore.

🔖 Certification

IBM Full Stack Software Developer, *Professional certification offered by IBM company*   Nov 2022 – present
Developing with front-end development languages and creating applications using back-end languages. Deploying and scaling them using Cloud Native methodologies. And building own git-hub portfolio.

Finished Software Engineer practical task modules, *Company: JPMorgan* ⬀   Jul 2022
Familiarized with JPMorgan Chase frameworks and applied my technical skills to a hypothetical request from the firm's trading floor to analyze and visualize data in a new way.

🏠 Community outreach

Student social responsibility (SSR) project ⬀   Nov 2022
Conducted a coding and physical fitness awareness workshop for higher secondary students to understand the importance of coding and physical fitness.

🌐 Languages

- Telugu
- English

♟ Hobbies

- Playing chess
- Listening music

🖥 Area of Interests

- Programming
- Data Structure and Algorithms
- Database management systems
- Computer networks