VIPLAV BILLA

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SUMMARY

Detail-oriented and analytical Teaching Assistant with hands-on experience in Data Structures and Algorithms. Adept at explaining complex concepts, mentoring students, and assisting with coursework and project development. Strong foundation in coding, problem-solving, and applying algorithmic principles to real-world challenges. Proficient in programming languages such as Python and Java with a solid understanding of software engineering best practices. Eager to apply teaching experience and technical expertise to a software development role, contributing to efficient and scalable solutions.

EDUCATION

Master: Computer Science   *Jan 2024 - May 2025 (Expected)*
Northwest Missouri State University, Maryville, MO.   *GPA 4/4*
Bachelors: Computer Science   *Aug 2019 - May 2025 (Expected)*
Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, Telangana.   *GPA 7.8/10*
Board of Intermediate Education: MPC   *May 2017 - May 2019*
Narayana Junior College, Hyderabad, Telangana   *GPA 954/1000*

SKILLS

Front-end:: HTML, CSS, JavaScript, Angular
Back-end:: Java, Python
Database: SQL

PROJECTS

Automatic Number Plate Recognition   *Aug 2022 - Jan 2023*
- Automatic Number Plate Recognition (ANPR) is a computer vision technology that uses optical character recognition (OCR) to automatically read vehicle license plates. ANPR is widely used for various applications, such as toll collection, law enforcement, parking management, and access control.

Crypto Currency Price Prediction
- Cryptocurrency price prediction using machine learning is a popular area of research, and one effective model for time series forecasting is the Long Short-Term Memory (LSTM) network, a type of Recurrent Neural Network (RNN). LSTM is particularly useful for tasks like cryptocurrency price prediction, as it can capture long-term dependencies in sequential data, making it a strong candidate for modeling time series data that shows patterns over time (like cryptocurrency prices).

WORK EXPERIENCE

Teaching Assistant   *Jan 2025 - May 2025*
                                                                                                        (Expected)

Northwest Missouri State University | Maryville, MO.
- Attending Lectures.
- Conducting Help Sessions.
- Grading Assignments & Quizzes.
- Exam Proctoring.

HOBBIES & INTERESTS

Chess, Volley Ball, Reading Books, Watching Movies