HARSHITH MAKKAPATI

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EDUCATION

University of Houston, Houston, TX   **Aug 2023 - Dec 2024**
Master of Computer Science   *CGPA: 3.77*

Jawaharlal Nehru Technological University, Hyderabad, India.   **May. 2019 - Aug 2023**
Bachelor of Technology, Computer Science and Engineering   *CGPA: 9.07/10*

TECHNICAL SKILLS

Skills: Web Development, Coding, Data Visualization, DBMS
Languages: Java, Python, HTML, CSS, JavaScript, DSA, ReactJS
Database and Developer Tools: MySQL, VS Code, Github, Git, MongoDB
Libraries: Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn

EXPERIENCE

University of Houston   **December 2023 – Present**
Research Assistant   *Houston, TX*
- Supported research projects by collecting, cleaning, and analyzing Undergraduate Students data using tools like Excel, Python, and SQL.
- Assisted in statistical analysis, report generation, and data visualization for research findings.
- Collaborated with faculty on experimental design and interpretation of results. Contributed to database management and mentored undergraduate students in data analysis techniques.

Ace Ventures Pvt Ltd   **June 2022 – July 2023**
Front End Developer Intern   *Hyderabad, India*
- Upgraded website architecture from Angular 8 to Angular 12, prioritizing component reusability.
- Leveraged Angular directives for enhanced functionality and code clarity.
- Implemented meticulously crafted dependency injections for seamless service integration.
- Utilized RxJS to optimize responsiveness and scalability in Angular 12 migration.

PROJECTS

Deep Learning and Sentiment Analysis Based Cryptocurrency Price Prediction | **May 2023**
- Enhanced a machine learning model, elevating accuracy rates to an exceptional 95prediction of cryptocurrency prices.
- Engineered a model capable of providing valuable insights into general price trends and directional expectations within cryptocurrency market.

Intelligent Cloud Service Selection Using Agent | *Java, AWS, MySQL*   **Dec 2022**
- Identified the Quality-of-Service factors of the criteria to be operated in the model and To weigh selected criteria by applying Best Worst method.
- Evaluation of alternatives with TOPSIS and determination of final rank.

Traffic Sign Classifier | *HTML/CSS, JS, Angular, Tensorflow*   **Sep 2022**
- Led a team of 3 to conduct a detailed analysis on Road Accidents considering Traffic Signs and Fabricated a Convolutional Neural Network model to detect traffic signs
- Inclusion of Traffic Recognition System in the ADAS features of cars

PUBLICATIONS

An Integrated MCDM Approach for Cloud Service Selection Based on TOPSIS and BWM   **Dec 2022**
International Journal of Computer Engineering in Research Trends(IJCERT)
- This Study aimed to assign performance factor for each service provided by cloud and ranks it as a whole using MCDM algorithms.

CERTIFICATION

- Google Cloud Engineer Program.
- T-Tribe Entrepreneur Program.
- Artificial Intelligence by SkillUp.