THARUN KUMAR MADASI

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Career Objective

Motivated final-year Computer Science student specializing in Artificial Intelligence and Machine Learning, with a strong foundation in problem-solving and a passion for creating effective, user-focused solutions. Seeking opportunities to apply my skills in a dynamic environment and contribute to impactful projects.

Education

Bachelor of Technology(CSE-AIML) - VNRVJIET 2021-present
CGPA: 7.2/ 10.00 *Hyderabad, Telangana*

Intermediate - Narayana Junior College 2019 - 2021
Percentage : 94.6% *Hyderabad, Telangana*

School(SSC) - Ekashila High School 2019
CGPA : 9.2 / 10.00 *Hanamkonda, Telangana*

Techincal Skills

Programming Languages : Python, C++, SQL

Web Development : HTML, CSS, Bootstrap, JavaScript, React.js, MongoDB

Concepts : Machine Learning, Object-Oriented Programming, Database Management System, Operating System.

Tools/ Frameworks : VS Code, Jupyter Notebook, Google Colab

Soft Skills : Problem-solving, Quick Learner, Leadership, Innovative, Time Management

Projects

Online Assignment Tracking System | *React.js, Node.js, JavaScript* September 2023

- Designed and implemented a web application using **React.js**, **Node.js**, and **Javascript** for streamlined assignment submission, review, and verification.
- Utilized **MongoDB** for secure and scalable data storage, enabling the system to handle 200+ weekly assignments.Designed role-based access for students, mentors, and administrators to ensure secure and personalized functionality.
- Improved user engagement by 40% through an intuitive interface and real-time progress tracking.Reduced manual processing time by **30%** enabling real-time progress tracking for students and administrators.

Todo Web Application: | *React.js, Node.js, SQL, Bootstrap, CSS* December 2023

- Developed a full-stack ToDo web application using **React.js**, **Node.js**, **SQL**, Bootstrap, and **CSS**. Implemented a responsive and user-friendly front-end interface with React.js, enabling users to create, update, and delete tasks. Designed and developed a back-end API using Node.js and Express, managing user authentication, task operations, and database interactions
- Utilized **SQL** (MySQL) to store and manage user data and tasks, ensuring secure data retrieval and manipulation. Integrated Bootstrap and custom **CSS** to create an intuitive and visually appealing design.

Explainable Harassment Classification | Python,Logistic Regression,SVM February 2024

- Built a multi-class classification model using **Python**, **Logistic Regression**, and **Support Vector Machines** to categorize types of sexual harassment in online narratives.
- Employed explainability techniques to ensure model transparency among non-technical stakeholders.

Work Experience

Bharat Intern

- **Weather Web App**: Built a scalable weather web application using **HTML**, **CSS**, and **JavaScript**. Integrated a weather API to display real-time data, including temperature and humidity. Collaborated with team members for feature enhancement and conducted rigorous testing to ensure system reliability. Designed an intuitive user interface with interactive components, allowing users to search for weather updates by city or region.Optimized performance, reducing API response times by 25% through efficient implementation and error handling.

Internpe

- **Diabetics Prediction**: Designed and implemented a predictive machine learning model using **Python** and **Scikit-learn** to estimate the risk of diabetes based on key health metrics. Collected and preprocessed a comprehensive dataset, applied feature engineering, and evaluated multiple algorithms, including Logistic Regression and Random Forest, to optimize accuracy. Achieved 85% predictive accuracy, enabling early diagnosis and proactive health management.

Achievements

- **Finalist, TRI-NIT Hackathon 2024:** Competed in a national-level hackathon among 200+ teams.
- Ranked **AIR 2206** in **Codathon by NIT Bhopal**
- Qualified for Round-2 of **Flipkart Grid 6.0**.
- Finalist in **NNRG National Level Hackathon 2023** and **Webathon** (**GDSC-VNRVJIET**).
- Led the team to final round in **VJ Hackathon** 2023.

Campus Clubs

- **Active Member, Student Tribe:** Contributed to community-driven initiatives, promoting innovation and creativity among students.
- **Member, Krithomedh Club:** : Organized technical workshops and mentored peers in coding challenges, fostering a collaborative learning environment.