SAIDEEP KONDUR

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EDUCATION

Master of Science in Computer Science (M.S)   Graduated, May 2024
Clemson University   Clemson, SC
Bachelors in Electronics and Telecommunication Engineering (B.E)   Graduated, May 2022
Mumbai University   Mumbai, India

EXPERIENCE

Software Engineer Intern, Clemson University   January 2023 - Current
- Revitalized college and departmental websites by leading a comprehensive design needs assessment and guiding a seamless transition to modern format, leveraging expertise in content management systems like Cascade and Wordpress.
- Evaluated a PostgreSQL database containing personnel information for the university, proactively purged individuals who had departed or were no longer affiliated with the institution, and diligently maintained a database to ensure accurate and up-to-date records.
- Improved user experience by performing comprehensive analysis of Google Analytics data, identifying various compliance issues. Streamlined page optimization efforts for Quality Assurance and SEO by achieving a 90% reduction in errors and eliminating broken links, resulting in significant efficiency improvements.

Machine Learning Intern, Verzeo-Mumbai   October 2020 - December 2020
- Collaborated on a project for a music store, developing a recommendation engine based on user age and gender utilizing Python libraries such as numpy, pandas, matplotlib, and scikit-learn.
- Utilized data analysis and feature engineering techniques to enhance accuracy of personalized music album suggestions, resulting in improved sales conversion rates.
- Demonstrated effective communication within the team by sharing project updates and insights, ensuring cohesion with overarching project objectives.

ACADEMIC PROJECTS

Social Media Website | Software Development   August 2023 - October 2023
- Developed a robust social networking platform with the MERN Stack (MongoDB, Express.js, React.js, and Node.js), establishing a comprehensive full-stack foundation.
- Secured user authentication with JWT (JSON Web Tokens), employing both access and refresh tokens to ensure user data protection and secure access control. Implemented Redux to streamline state management across the application.
- Designed with features like user search, follow functionality, likes on posts, and profile management. Users can easily update their profiles and interact socially through posts and shared pictures.

E-commerce Website | Software Development   May 2024 - June 2024
- Engineered Posterz, a cutting-edge platform using the MERN Stack (MongoDB, Express.js, React.js, Node.js) to facilitate seamless creation and sharing of digital posters.
- Enhanced security and user data integrity through JWT (JSON Web Tokens) for authentication, incorporating access and refresh tokens. Utilized Redux for streamlined state management.
- Developed innovative features such as a versatile poster creation interface, user search and follow capabilities, and interactive comment sections, fostering a dynamic and engaging user community.

Speed Detection for Traffic Safety | Machine Learning and Image Processing   August 2021 - May 2022
- Implemented the 'YOLO' object detection algorithm and image processing collaboratively to achieve real-time vehicle detection. Applied a teamwork approach in utilizing the Euclidean Distance formula and speed formula for assigning IDs to individual vehicles and ensuring accurate speed calculations.
- Established organized image storage in a dedicated folder, implementing a red bounding box system to instantly identify vehicles exceeding speed limits. Enhanced vehicle recognition through the utilization of unique vehicle IDs assigned to each vehicle.
- Built a system to generate a summary text file detailing total road-crossing vehicles and speed-limit violators. Employed data visualization for insightful graph analysis of output.

TECHNICAL SKILLS
- Languages: Python, Java, C, R, HTML/CSS/SCSS, Javascript, Angular, XML, PHP
- Developer Tools: Jupyter Notebook, Spyder, VSCode, Github, Postman, Tableau, PowerBI
- Frameworks/Libraries: Pytorch, Keras, Django, React, NodeJS, Express, Bootstrap, .NET
- Databases: MYSQL, DB2, MongoDB, Cassandra, NoSQL

CERTIFICATIONS

AWS Certified Cloud Practitioner | Amazon Web Services   January 2024