KS YASHAS

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Education

JSS Academy Of Technical Education   **Dec. 2022 – Present**
Bachelor of Engineering in Computer Science   *Bengaluru, Karnataka*

Relevant Coursework

- Data Structures
- Software Engineering
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Machine Learning
- Micro-controller and Embedded Systems
- Computer Networks
- Operating Systems

Projects

Image to Text Conversion Using OCR | *Python,OpenCV,Pillow,Tesseract OCR*   **Feb. 2025**

- Convert text from images into editable formats accurately. .
- Preprocess images to improve OCR accuracy. .
- Allow direct image capture via smartphone for real-time processing. Support multiple languages for OCR. .
- OpenCV: For image preprocessing (grayscale, thresholding, scaling). Pillow (PIL): For handling image formats in the GUI. Tesseract OCR: For extracting text from processed images. .

Traffic accident prediction model | *Python,ML,Scikit-learn*   **November 2024**

- Developed a machine learning model to predict traffic accident likelihood based on real-time and historical data.
- Utilized data preprocessing, feature engineering, and classification algorithms to enhance prediction accuracy.
- Improved model performance through hyperparameter tuning and evaluated using key metrics like precision and recall .

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, AWS,GitHub,TensorFlow,MongoDB,PowerBI
Technologies/Frameworks: Linux, , GitHub, WordPress,Google Scolar

Certification

JSS Navotthana (24-hour Hackathon)
CODEATHON conducted by Phase Shift 2024 held at BMSCE
AWS Serverless: Sync, Scale, Succeed conducted by Phase Shift 2024 held at BMSCE

Leadership / Extracurricular

X-stat   **Spring 2022 – Present**
Dancer   *JSSATE*

- X-Stat is a dynamic and versatile western dance group known for its high-energy performances, creative choreography, and strong stage presence.
- As a core member of X Stat,, I have actively contributed to over 50 dance competitions across South India, securing victories in more than 35 of them.
- Specializing in styles such as hip-hop, contemporary, and urban choreography, I bring a blend of creativity, discipline, and teamwork to every performance

VERVE   **Spring 2022 – Present**
Junior Core-Committee   *JSSATE*

- I am an active member of the college Cultural and Fest Committee, where I contribute to the planning, coordination, and execution of major cultural events and annual fests.
- My responsibilities include event management, team coordination, artist and vendor liaison, logistics planning and promotion.
- Through this role, I have developed strong organizational, communication, and leadership skills while ensuring the smooth execution of large-scale events that enhance student engagement and campus culture.