Manasi S Byali

Software Engineer

PERSONAL INFO

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📍 Hubli, Karnataka

EDUCATION

B.E (CS) (7.52 CGPA)
KLE Technological University,Hubli
2021-2024

Diploma(CS) (86%)
K.L.E Society's C.I.Munavalli Polytechnic,
2019-2021

PUC (62%)
Smt. Vidya P Hanchinmani Pre-university
Independent Science College
2018-2019

10th (CBSE) (8.6 CGPA)
KLE Technological University,Hubli
2016-2017

SKILLS

Languages: C, Java, Python, Swift,
JavaScript , OOPS.
Databases: MySQL, MongoDB
Web Technologies: HTML, CSS, MERN,
Vue.js, React, Angular
Version Control: Git, GitHub

SUMMARY

- Experience in developing machine learning models and dynamic web applications.
- Proficient in Python, YOLO V5, and Vue.js, improving real-time detection systems and user interfaces.
- Skilled in data preprocessing, model training, and optimization for scalable and reliable solutions.
- Leveraged AWS for efficient deployment and implemented CI/CD pipelines for seamless development.
- Committed to delivering accurate solutions and collaborating effectively within teams to drive innovation.

WORK EXPERIENCE

Software Engineer
IVIS LABS Pvt Ltd | Mysore   Feb 2024 - Present

- Developed machine learning models for real-time detection systems, including accident prediction and facial spoofing detection, using Python, YOLO V5, and other ML frameworks.
- Collected, preprocessed, and classified datasets for model training, optimizing algorithms to ensure high accuracy and performance in various projects.
- Created dynamic, responsive web applications using Vue.js, JavaScript, and Bootstrap, enhancing user interfaces and improving accessibility across devices.
- Leveraged cloud technologies, such as AWS, and implemented CI/CD pipelines using Git and Docker for efficient project deployment.
- Managed data processing, model evaluation, and performance optimization to ensure scalability and reliability of the solutions delivered.
- Worked on various projects, including Car Accident Detection, Face Spoofing Detection, LGC ENGG Website Development, and Examination Cheating Detection utilizing technologies mentioned above.

PERSONAL PROJECTS

- **Climate Change Prediction:** Utilized Scikit-learn, TensorFlow, and PyTorch to preprocess datasets and train models for 14-day predictions, employing AutoML for optimal model selection and visualizing insights.
- **Lung Classification:** Developed a machine learning model for X-ray image classification of lung conditions, optimizing for accuracy in detecting COVID-19, pneumonia, and other ailments.
- **Web Messenger App:** Created a real-time messaging platform using HTML, CSS, JavaScript, and SQL, incorporating secure user registration and dynamic ChatGPT-style interactions.
- **MERN School Management System:** Built a learning portal with user authentication and interactive features using ReactJS, Node.js, and MongoDB, ensuring data privacy and contributing to a successful launch.
- **Phishing Website Detection:** Developed a machine learning system to identify phishing URLs using Python, creating an engaging website that offers resources for users to combat phishing threats.

CERTIFICATIONS

HackerRank
- SQL: Basic, Intermediate, Advanced
- Java: Basic

IEEE Paper Certifications
- Sentimental Analysis of Amazon Reviews Using Map Reducer Technique in Hadoop (www.IEE.BVICAM.in) :BV/ICAM/ND/1593(210)/2023-24
- DDoS Detection in SDN with ML and Ensemble Models (ICACIS) (www.ICACIS.in): ICACIS/24/50

Naukri.com
- Young Trunk Merit Certificate
- Cloud Computing 101
- Juniper

HOBBIES

Traveling , Listening music and playing Guitar.