

EDUCATION

K. J. Somaiya Institute of Technology (KJSIT) <i>B.Tech in Computer Engineering</i>	June 2022 – June 2026 <i>CGPA: 8.5/10</i>
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EXPERIENCE

HumbleWalking <i>Full Stack Developer Intern</i> <ul style="list-style-type: none">Engineered and launched the official HumbleWalking platform, a full-stack MERN application, developing and integrating 10+ REST APIs for robust data management, high scalability, and handling large datasets efficiently.Designed and implemented a responsive, mobile-first UI/UX, resulting in a 40% improvement in user engagement and deploying a production-ready application supporting 500+ active users, with architecture capable of scaling to thousands of users.Implemented 5+ core features, including user authentication and real-time data tracking, contributing to the complete application development lifecycle from design to deployment while ensuring performance under high load.	June 2025 – July 2025 <i>Hybrid, Mumbai</i>
SpaceEcE Foundation <i>Web Developer Intern – HRMS</i> <ul style="list-style-type: none">Architected and developed a scalable HR Management System using the LAMP stack, designed to manage comprehensive data for 1,000+ employees across modules for attendance, task scheduling, and expense tracking.Optimized system performance by 30% and improved data accuracy by debugging 70+ issues, enhancing the real-time dashboard’s accessibility and reducing data entry errors for HR staff by 25%.	Dec 2024 – Jan 2025 <i>Pune, India</i>

SKILLS AND INTERESTS

Languages: Python, C++, JavaScript, HTML/CSS
Databases: MySQL, PostgreSQL, Firebase, MongoDB.
Frameworks & Libraries: TensorFlow, scikit-learn, PyTorch, OpenCV, pandas, NumPy, Matplotlib, Plotly, Streamlit.
Full Stack: MERN Stack (React.js, Node.js, Express.js, MongoDB), PHP, Fast API, Tailwind CSS.
Tools & Platforms: Git, GitHub, VS Code, Jupyter Notebook, Vercel
Others: Linux, Windows, Power BI, MS Excel, AWS.

PROJECTS

Brain Tumor Detection <i>Python, TensorFlow, OpenCV, scikit-learn</i> <ul style="list-style-type: none">Fine-tuned a VGG16 convolutional neural network in TensorFlow to classify MRI brain scans into 4 tumor categories with high precision and recall.Applied image augmentation and preprocessing using OpenCV, and evaluated model performance with precision-recall metrics and visualizations in scikit-learn, Pandas, and Matplotlib.
Civic-Circle <i>MERN Stack (MongoDB, Express.js, React.js, Node.js)</i> <ul style="list-style-type: none">Developed a scalable MERN stack web platform for NGOs to host social events and match volunteers using a collaborative filtering algorithm trained on a large dataset of 10GB volunteer interactions, with integrated user authentication and role-based access control.Implemented a smart calendar, real-time chatbot, social media-style feed, and an accessibility module with skeletal sign language detection using computer vision and deep learning models, improving engagement and usability for hearing- and visually-impaired users across 100+ events.
YogaInsight <i>Python, OpenCV, MediaPipe, scikit-learn</i> <ul style="list-style-type: none">Built a real-time yoga posture analysis system using Python and OpenCV to process live webcam streams, capable of accurately recognizing 40 unique yoga postures using MediaPipe’s landmark extraction.Trained a scikit-learn classification model on a large-scale dataset of 50,000+ annotated posture samples, achieving 95% accuracy in posture identification and implementing real-time corrective guidance for users.
SpectraSnap AI — <i>Python, OpenCV, TensorFlow, YOLOv8</i> <ul style="list-style-type: none">Built a mobile-first PWA for biometric analysis, achieving 92% accuracy in gender and age estimation (within a +/- 5-year margin) using OpenCV and pre-trained TensorFlow models for real-time inference (¡150ms).Developed an easy-to-use front-end that processes camera input at 30 FPS and integrated YOLOv8 to recognize over 80 object categories, reducing misclassifications by 25% in different lighting conditions.

ACHIEVEMENTS

<ul style="list-style-type: none">Semi-Finalist – The Project Deep Blue by Mastek Ltd.; developed a functional prototype solving industry-level challenges using innovative engineering solutions.Finalist – IET InTech Project Competition; recognized for outstanding innovation and technical excellence in a national-level engineering event.Participant – HSBC CTF Hackathon 2025.

CERTIFICATIONS

<ul style="list-style-type: none">AWS Academy Graduate – Cloud Foundations: Completed foundational training on core AWS services, cloud infrastructure, deployment principles, and best practices.NPTEL – Data Science: Successfully completed a university-level course covering data analysis, machine learning techniques, data engineering practices, and real-world applications.Infosys Employability Program: Participated in structured training on aptitude development, professional communication, and foundational technical skills.
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