SANDEEP BHANAGE

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Profile

Final year Computer Science student who enjoys solving problems and building software and web applications. Comfortable with C/C++, JavaScript and web development. Interested in creating simple, efficient, and user-friendly solutions, and eager to learn new skills and contribute to meaningful projects.

Education

KLE Technological University, Belagavi   *2022–2026*
B.Tech. in Computer Science and Engineering   8.52 CGPA

MDR PU Science College, Suttatti   *2020–2022*
Class XII (PCMB)   95.5%

Bhiradi High School, Bhiradi   *2019–2020*
Class X   92%

Projects

- **Collaborative Learning Platform**
  - Built a real-time collaboration platform for students to join subject-specific discussion groups.
  - Enabled group chat using Socket.io with dynamic room creation and message synchronization.
  - Developed backend APIs for managing users, rooms, and sessions.
  - *Technologies Used:* React, Node.js, Express.js, MongoDB, Socket.io, WebRTC
- **Oral Cancer Classification** 📄 IEEE Paper
  - Trained CNN models (VGG19, MobileNetV2, DenseNet121) on histopathological images to detect OSCC.
  - Achieved 85% classification accuracy for early cancer detection.
  - Applied data preprocessing and an 80–20 train–test split for robust performance.
  - *Technologies Used:* Python, TensorFlow, Keras, CNNs, Transfer Learning
- **House Rental Management System**
  - Developed a full-stack rental platform to list, search, and manage property listings.
  - Implemented user authentication and role-based access control.
  - Designed a responsive UI and ensured cross-device compatibility.
  - *Technologies Used:* MongoDB, Express.js, React, Node.js

Skills

Languages:	C/C++, JavaScript, SQL,Python
Database:	MySQL
Core Concepts:	Object-Oriented Programming, DBMS, Computer Networks, Operating Systems
Tools:	Git, GitHub, VS Code, Postman

Achievements

- Published research paper on Performance Benchmarking of CNN Models in Oral Cancer Detection using Histopathological Images at IEEE Conference.