

Girish Soodi

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EDUCATION

Angadi Institute of Technology and Management <i>Bachelor of Engineering in Computer Science and Engineering CGPA:8.66</i>	Belagavi, 590009 Dec 2022– present
Konnur Science P.U College <i>Pre-University in Science Grade:89.9</i>	Yallatti, 587311 Dec 2020– May 2022
K.J Somaiya English Medium School <i>10th Grade:79.6</i>	Sameerwadi, 587316 Jun 2019– May 2020

INTERNSHIP

Cubiccode Digital Media LLP	April 2025– May 2025 Belagavi, 590009
<ul style="list-style-type: none">• Gained hands-on experience in Laravel framework for developing web applications.• Worked on both frontend and backend modules to ensure smooth integration.• Assisted in designing and implementing user interfaces with responsive layouts.	
Ultimez Technology Pvt. Ltd	July. 2025– Aug 2025 Hubballi
<ul style="list-style-type: none">• Developed a web application enabling users to record meetings seamlessly• Integrated speech-to-text functionality using Whisper• Implemented automatic summarization of discussions with AI/LLMs• Designed features to extract action items from meeting transcripts• Built export options to Notion and Google Docs for easy documentation	
Pantech.ai (in collaboration with Warriors Way)	June 3,2024– Sept 3, 2024 Online
<ul style="list-style-type: none">• Gained hands-on experience in Full Stack Web Development• Worked on both frontend (HTML, CSS, JavaScript, React.js) and backend (Node.js, Express.js)• Built and tested scalable web applications with real-world use cases• Integrated MongoDB for database management and storage solutions• Designed and consumed REST APIs for client-server communication• Used Git GitHub for version control and collaborative development	

PROJECTS

Heart Rate Detection Using RPPG <i>Python, OpenCV, Yolo, RPPG</i>	Sep 2024– Oct 2024
<ul style="list-style-type: none">• This project implements remote photoplethysmography (rPPG) to estimate heart rate from facial videos captured through a regular RGB camera• It leverages YOLO (You Only Look Once) for real-time face detection and tracking, followed by rPPG signal processing to extract pulse information non-invasively• The goal is to build a non-contact, camera-based health monitoring system suitable for telemedicine, fitness, and emotion monitoring applications	
Doctor Management System <i>PHP, Mysql</i>	Mar 2025
<ul style="list-style-type: none">• The Doctor Management System is a web-based application developed using PHP and MySQL to streamline the operations of clinics, hospitals, or healthcare centers• It enables administrators, doctors, and patients to manage appointments, medical records, and schedules efficiently	
Pet Adoption System <i>PHP, Mysql</i>	Oct 2024
<ul style="list-style-type: none">• This project was developed for Learning basics about PHP.The Pet Adoption System is a web-based platform developed using PHP, MySQL, HTML, CSS, and JavaScript that connects animal shelters and pet seekers• It enables users to view available pets, submit adoption requests, and manage adoption processes online	

- The system streamlines the pet adoption workflow, promotes animal welfare, and makes it easier for shelters to reach potential adopters

E-commerce Platform for clothing | *React.js, javascript, node.js, mangoDB, cloudinary API* April 2025

- Developed a full-featured and responsive Ecommerce platform for selling clothing and fashion items online.
- Learned the basics of MERN stack through the development of the project.
- Provided seamless shopping experience for users and robust product management for administrators
- Ensured high performance, scalability, and maintainability of the platform by utilizing the MERN stack

Deep Fake Detection using Deep Learning | *Python, PyTorch, Torchvision, OpenCV (cv2), NumPy, Pandas, Matplot*

- The project uses a pretrained ResNeXt convolutional neural network to extract frame-level features, and then feeds those features into an LSTM to capture temporal dependencies between frames. (i.e. spatial + temporal modelling)
- Instead of training a CNN from scratch, the project uses transfer learning (a pretrained ResNeXt) to get robust feature vectors, thereby reducing required training data and improving performance.
- The results table in the project shows that as you increase the number of frames considered per video (e.g. 10, 20, ... 100), the classification accuracy improves (from 84

Intelligent Traffic Management | *NS3, Sumo, Traci, MultiAgent Reinforcement Learning, python, cmake, docker, lstm*

- Designed and simulated a multi-agent reinforcement learning framework integrating SUMO (mobility simulation) and NS-3 (network simulation) for realistic vehicular environments.
- Implemented cooperative and competitive agent policies for traffic signal control, V2V/V2I communication, and congestion management.
- Evaluated system performance on traffic efficiency (travel time, throughput) and network QoS (latency, packet delivery ratio), demonstrating improvements in both mobility and communication.

ACHIEVEMENTS

- Secured 5th Place Among Numerous Competitive Teams At Channabasaveshwara Institute, Tumkur In Buildathon 2025
- Secured 2nd Place In Belagavi Buildathon: Project Showcase– ComedKares Innovation Hub 2025

TECHNICAL SKILLS

Languages: Python, C/C++, SQL , JavaScript, HTML/CSS, PHP

Frameworks: React, Node.js, Flask, Laravel, FastAPI, Next.js

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm

Libraries: pandas, NumPy, Matplotlib, Pytorch, Tensorflo