

Sahana Patil

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Summary

Dedicated Computer Science student specializing in frontend and backend development, with strong problem-solving skills and hands-on project experience. Quick to learn, adaptable in team settings, and passionate about delivering creative, impactful solutions.

Education

K.L.E Institute of Technology , Hubli, KA Bachelor of Computer Science and Engineering	2022 – Present
Vidyaniketan PU Science College , Hubli, KA PCMB – 94.83%	2020 – 2022
Chetan Public School , Hubli, KA Secondary School Leaving Certificate – 95.84%	2019 – 2020

Technical Skills

Programming Languages: C | Python | SQL | JavaScript | HTML/CSS
Core Subjects: Operating Systems | Database Management Systems | Data Structures & Algorithms
Frameworks/Libraries: PyQt5 | Matplotlib | Pandas | NumPy
Tools/Platforms: Git | MySQL | VS Code

Projects

Strongly Connected Components Using Tarjan's Algorithm (C, Python, PyQt5, NetworkX, Matplotlib)

- Developed a tool to detect SCCs in directed graphs using Tarjan's Algorithm in C.
- Integrated with Python to provide interactive SCC visualization with PyQt5, NetworkX, and Matplotlib.

Real-Time Stock Price Notification System (Python, Alpha Vantage API)

- Built a real-time stock monitoring system to track price changes and trigger alerts when thresholds are met.
- Ensured instant notification delivery for rapid decision-making in stock trading.

Explainable AI for Skin Cancer Classification (Flask, React, Grad-CAM, Tailwind CSS, Netlify, ngrok)

- Built an AI-powered tool to classify skin lesions as benign or malignant, integrating Flask backend, React frontend, and Grad-CAM heatmaps.
- Deployed on Netlify with natural language explanations, enhancing diagnostic trust and accessibility for healthcare professionals.

Certifications

- NPTEL – Fundamentals of Object-Oriented Programming
- NPTEL – Web Technology
- Tata Cybersecurity Security Analyst Job Simulation (Forage), Aug 2025
- Mastering Data Structures and Algorithms using C and C++

Leadership and Extracurricular Activities

- Secretary of IEEE Computer Society SBC at K.L.E Institute of Technology.
- Integral part of the management team, successfully organizing and managing events for the college fest *Advitiya*.
- Coordinated and hosted online sessions for CONIT 2024, organized by IEEE Bangalore Section.