

Sahana Patil

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EDUCATION

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

INTERNSHIPS

Front End Web Development Intern <i>AICTE Virtual Internship – Edunet Foundation (in collaboration with IBM SkillsBuild)</i>	Aug 2025 – Sept 2025 Remote
– Completed a 6-week virtual internship focused on front-end web development using HTML, CSS, and JavaScript. – Built responsive user interfaces and learned best practices for web accessibility and design implementation.	

PROJECTS

Strongly Connected Components Using Tarjan's Algorithm <i>C, Python, PyQt5, NetworkX</i>	– Developed a tool in C to detect SCCs in directed graphs using Tarjan's Algorithm, integrated with Python for visualization. – Visualized SCCs interactively with PyQt5 and NetworkX, improving data interpretation and algorithm understanding.
Real-Time Stock Price Notification System <i>Python, Alpha Vantage API</i>	– Built a Python-based system to monitor live stock prices using Alpha Vantage API and send instant alerts on threshold changes. – Implemented efficient API calls and alert logic for real-time trading insights.
Explainable AI for Skin Cancer Classification <i>Flask, React, Grad-CAM, Tailwind CSS</i>	– Created an AI-powered tool for skin lesion classification with Grad-CAM visual explanations for transparent predictions. – Integrated Flask backend and React frontend for real-time analysis and deployed the system on Netlify.

LEADERSHIP & ACTIVITIES

- Secretary, IEEE Computer Society SBC, K.L.E Institute of Technology (2024–2025)
- Organized and led the college fest “Advitiya,” increasing participation across departments.
- Hosted online IEEE CONIT 2024 sessions in collaboration with IEEE Bangalore Section.

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++

TECHNICAL SKILLS

Languages: C, Python, SQL, JavaScript, HTML/CSS
Frameworks/Libraries: Flask, React, PyQt5, Grad-CAM, NetworkX, Matplotlib, Pandas, NumPy, Tailwind CSS
Tools/Platforms: Git, MySQL, VS Code, Netlify, ngrok, Alpha Vantage API
Soft Skills: Problem-Solving, Team Collaboration, Communication, Adaptability