

BHARATH SAI

+91 94405 23122 — contact@bharathsai.com — [LinkedIn](#) — [Portfolio](#) — [LeetCode](#)

EDUCATION

Bennett University

B.Tech, Computer Science & Engineering

Narayana Educational Institutions

Senior Secondary: 96%; Secondary: 98%

Aug 2022 – May 2026 (Expected)

CGPA: 8.43/10

Relevant Coursework: Machine Learning, Analytics, Data Structures & Algorithms,

TECHNICAL SKILLS

Programming: Python, C++, Java

Databases: MySQL, PostgreSQL

Data Science & ML: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn

Gen AI: Prompt Engineering, LLM-based Applications

Backend Development: FastAPI, REST APIs, Flask

CS Fundamentals: Data Structures & Algorithms, OOPs, DBMS, Operating Systems

Tools & Platforms: Git, GitHub, Postman, VS Code, Jupyter, Jira, Agile, Microsoft Office Suite

PROJECTS

BirdRaksha: Deep Learning for Bird Species Detection - Research Paper Published

[Live Demo](#)

<https://github.com/SOMALASAI897/BIRDRAksha>

- Led the design and training of an EfficientNetB5 CNN, achieving 97.3% classification accuracy across 200+ bird species; built an automated EDA and preprocessing pipeline for 10,000+ images, reducing manual annotation by 30%.
- Stack: Python, TensorFlow, Pandas, SQL, Vercel

NaySetu: Inclusive GenAI Legal Assistant - Hackathon Winner Project

[Live Demo](#)

<https://github.com/SOMALASAI897/Nyay-Setu-Frontend>

- Architected microservices-based legal AI system using FastAPI backend with async/await patterns, processing 100+ concurrent voice queries through WebSocket connections and REST APIs
- Built real-time multilingual voice processing using Google Speech-to-Text/TTS APIs, supporting 8+ Indian languages and deployed on AWS EC2 with Docker containerization, Redis caching for 1000+ concurrent users
- Stack: Python, FastAPI, RestAPI, Vercel

RESEARCH

BirdRaksha: An AI-Driven Approach for Bird Ecology and Conservation

Jan 2025

Accepted at ICE-TESS 2025 Conference

Presented a research paper on AI-driven techniques for bird species conservation at ICE-TESS 2025

CERTIFICATIONS

- GenAI Certificate - upGrad (2025)
- University of Illinois Urbana-Champaign – Object Oriented Data Structures in C++

LEADERSHIP

- **Product Lead, Semesterly.in:** Created, Launched and scaled a student platform for 1,000+ users, delivered 15% semester-over-semester user growth through new features and engagement initiatives.
- **NCC Cadet:** Led campus outreach and discipline events as part of the National Cadet Corps; organized and coordinated sessions for 200+ students, fostering teamwork and leadership across campus.
- **Student Ambassador, Bennett University:** Counseled 250+ prospective students, resulting in a 15% increase in admissions; represented the university at outreach events and supported campus recruitment drives.

ACHIEVEMENTS

- Smart India Hackathon 2024: **Ranked 21st of 200** teams (ML Track) for innovative end-to-end solution.
- Material Buildathon: Finalist (**Top 5 of 100+** teams), recognized for rapid data prototyping and solution delivery.
- ICE-TESS 2025: Research project selected for adoption by external partner organization.
- Participated in 7+ coding contests (LeetCode), consistently focused on algorithmic problem-solving and process automation.