

# SHARATH Y KUDACHI

Portfolio | 📞 +91 6362679843 | ✉️ sharathkudachi30@gmail.com | 🔗 LinkedIn | 🐙 GitHub

---

## CAREER OBJECTIVE

Aspiring **Software Engineer** and 3rd-year CSE student at **BMSIT** with strong skills in **Python, Java, C, C++, HTML, CSS**. Experienced in **software development, algorithms, GUI programming, and API integration**. Awarded **2nd Prize in a CSE Hackathon** for a maritime situational awareness project. Passionate about problem solving and building impactful software solutions.

---

## EDUCATION

Bachelor of Engineering – Computer Science, BMS Institute of Technology and Management | 2023-2027 | CGPA: 9  
12<sup>th</sup>, Sri Maruthi PU College | 2021-2023 | Percentage: 94.6%  
10<sup>th</sup>, Anugraha High School | 2021 | Percentage: 79.3%

---

## PROJECTS

### OCEAN-RISK-VESSEL-MONITORING-SYSTEM-ORVMS – Hackathon (2nd Prize) [Link](#)

- Real-time vessel tracking for India's 200-NM maritime defense boundary
- Streamlit dashboard with Folium maps, clustering, and heatmaps
- AIS simulation, anomaly detection (Isolation Forest), piracy and boundary alerts using SQLite.
- Tech: Python, Streamlit, Folium, Pandas, NumPy, SQLite, Scikit-learn, Shapely

### Argo Base FloatChat AI

- AI model for oceanographic dataset analysis.
- Predictive modeling, preprocessing, and visualization.

### AI Healthcare Management Platform [Live](#)

- Web-based healthcare management system with secure login and role-based user access.
  - Interactive dashboard displaying health score, policy overview, appointments, and quick actions.
  - AI-based symptom checker allowing users to analyze multiple symptoms for health insights.
  - Network hospital discovery module with search, specialty filters, ratings, and contact details.
  - Tech: HTML, CSS, JavaScript (Frontend), AI-based symptom analysis logic
- 

## SKILLS

**Languages:** Python, Java, C, C++

**Web:** HTML, CSS

**Databases:** SQLite

**Tools:** Streamlit, Swing, OpenAI API, Folium

**Areas:** Software Development, Algorithms, Machine Learning

---

## CERTIFICATIONS

- Cisco Python Programming Certification – Demonstrated proficiency in Python fundamentals, data structures, and problem solving.
- 

## SOFT SKILLS

Problem Solving, Team Collaboration, Time Management, Critical Thinking.

---

## ACHIEVEMENTS

- Secured 2nd Prize in a Hackathon organized by the Computer Science & Engineering Department, BMSIT, for developing an innovative Maritime Situational Awareness Dashboard.