

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
12th, Sri Maruthi PU College | 2021-2023 | Percentage: 94.6%
10th, 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
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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.
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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.