ARUN GOPAL SADALGEKAR

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Belagavi, Karnataka - 590006, India

OBJECTIVE

Computer Science Engineering undergraduate with a strong foundation in C/C++ and DBMS, currently learning full-stack development. Passionate about problem-solving, real-time systems, and IoT. Interested in building innovative web and app-based solutions. Always eager to explore and grow with emerging technologies.

EDUCATION

- **KLE Technological University, Belagavi** *Dec 2023 - Present*
  Bachelor of Engineering in Computer Science & Engineering Karnataka, India
  ◦ CGPA: 7.9/10.0

- **Government Polytechnic, Belagavi** *Sep 2020 - Jun 2023*
  Diploma in Electronics & Communication Karnataka, India
  ◦ CGPA: 8.89/10.0

- **Marathi Vidyaniketan, Belagavi** *Jun 2020*
  Secondary School Leaving Certificate (SSLC) Karnataka, India
  ◦ Percentage: 93.6

TECHNICAL SKILLS

- **Programming Languages:** C, C++, JavaScript
- **Web Technologies:** HTML, CSS, Node.js, Express.js, React.js, Socket.io
- **Database Systems:** MongoDB, MySQL

PROJECTS

- **Soldier Health Monitoring and Position Tracking System:** *Feb 2023 – May 2023*
  Real-time tracking of soldiers' health and location
  Tools: Arduino, LM35, RC-A-4015, Neo-6M, HC-12, SX1278, Blynk [⌂]
  ◦ Monitored body temperature, heartbeat, and GPS location.
  ◦ Transmitted data wirelessly for remote monitoring.
  ◦ Utilized IoT connectivity with Blynk for real-time alerts.

- **Sanvad - Real Time Chat Application:** *Nov 2024 – Jan 2025*
  A chat app featuring real-time messaging, group chats, notifications, and interactive games
  Tools: Node.js, React, Socket.io, Express, JavaScript [⌂]
  ◦ Built real-time messaging and group chat features using Socket.io.
  ◦ Developed interactive games (Hangman, Tic Tac Toe) integrated within the chat platform.
  ◦ Designed a full-stack solution with efficient front-end and back-end components.

- **GPU Monitoring & User Management Dashboard:** *Apr 2025 – Jun 2025*
  Flask dashboard for live GPU/CPU stats, user management, and CSV analysis
  Tools: Python, Flask, Pandas, Chart.js, HTML/CSS, JavaScript [⌂]
  ◦ Polled live GPU/CPU stats on Linux (psutil) and streamed to Web UI.
  ◦ Built user management (add/delete/search/flag inactive) with Flask-Login and secure sessions.
  ◦ Parsed GPU CSVs with Pandas and generated interactive Chart.js visualizations and downloadable reports.

HACKATHONS & COMPETITIONS

- ADVAYA Hackathon – BGS College of Engineering and Technology, Bangalore *Apr 2025*
- **Code Clash 2025 – Unstop (Participation)** *Mar 2025*

CERTIFICATIONS

- **Full Stack Web Development** – DevTown *May 2023*
- **Python** – GUVI Geek Networks, IITM Research Park *Aug 2023*
- **AI for India 2.0** – GUVI Geek Networks, IITM Research Park *Aug 2023*
- **Front-End Web Development Essentials Bootcamp** – Microsoft Learn Student Ambassadors *Sep 2022*