Midde Jayanth

✉ jayanthjay751@gmail.com | 📱 +91 6303729478 | 🅖 Jayasurya09s | 🅛 Jayanth Midde

PROFESSIONAL SUMMARY

Information Science undergraduate with strong foundations in C/C++, data structures, and full-stack web development. Built simulations using operating system concepts and web applications using Node.js, React, and MERN stack. Seeking frontend and backend development internships.

PROJECTS

User-Level CPU Scheduling Simulator (Solo) — *C, OS, Node.js, React*

- Implemented FCFS, RR, SJF (P/NP), Priority (P/NP), and MLFQ.
- Built real-time dashboard with Gantt charts, queues, and metrics.
- Applied OS scheduling concepts and performance analysis.

GANI – AI-Powered Rockfall Prediction (SIH 2025) — *IoT, Node.js, MQTT*

- Built ESP32-based IoT system with multi-sensor integration.
- Implemented MQTT-based real-time data pipeline.
- Improved monitoring and alert reliability.

Proof of Art – CodeUtsava 9.0 (NIT Raipur) — *Blockchain*

- Developed blockchain-based proof-of-ownership using Hardhat.
- Worked on smart contract workflow and integration.

MyNotes – MERN Learning Project — *MongoDB, Express, React, Node.js*

- Built notes web app with offline SQL storage and cloud sync.
- Practiced full-stack development and deployment workflows.

CropMentor – HackMan (DSCE) — *Node.js, Firebase, Random Forest*

- Led backend and ML development for agriculture platform.
- Collaborated effectively under hackathon timelines.

Additional Projects

- **EcoAI**: Platform reducing AI carbon footprint while maintaining performance.
- **StudyAI**: AI-summarized notes and discussion platform (React, Firebase, Python).
- **PCFR / NeroBot / Glider**: Arduino automation projects for rain protection, plastic collection, and stabilization.

HACKATHONS & ACHIEVEMENTS

- Participated in **12–14 hackathons** including SIH and CodeUtsava.
- Won **3rd place** in a hardware-focused hackathon.
- Achieved **Top 5** and **Top 10** positions.
- Selected at Smart India Hackathon (College Level).

TECHNICAL SKILLS

Languages:	C, C++, JavaScript, Python
Frontend:	HTML, CSS, React, Tailwind CSS
Backend:	Node.js, Express, REST APIs
Databases:	MongoDB, SQL, Firebase
Concepts:	OS Scheduling, Data Structures
Other:	Git, GitHub, IoT, MQTT, Blockchain (Basics)

SOFT SKILLS

Problem Solving • Leadership • Communication • Time Management • Adaptability • Fast Learner

EDUCATION

B.E. – Information Science Engineering
Dayananda Sagar College of Engineering, Bengaluru   *2024 – 2028*

Last updated: January 3, 2026