

YASH SONJE

☎ +91-7058305311 ✉ ybsonje4@gmail.com 🌐 yashcsonje 🌐 yashcsonje 🌐 yashcsonje.in 📍 Pune, Maharashtra, India

OBJECTIVE

Cloud enthusiast with hands-on experience in designing and deploying cloud-native solutions using AWS services such as IoT Core, Lambda, S3 and DynamoDB. Skilled in Git and cloud infrastructure deployment, with a strong interest in building scalable, secure and efficient systems. Seeking an opportunity to contribute and grow in a cloud-focused technical environment.

EDUCATION

AISSMS Institute of Information Technology, Pune

2022-2026

B.Tech in Electrical Engineering | Minor: AI and Data Science - CGPA: 7.29/10

12th – Vidyadham Science Junior College, Aurangabad | MSBSHSE (2021): 88.67%

10th – Jai Bhavani Vidya Mandir, Aurangabad | MSBSHSE (2019): 79.80%

PROJECTS

PowerPulse – Cloud-Based Smart Energy Monitoring Platform | AWS IoT Core, DynamoDB | 🌐 | 🌐 2024-2026

- Configured **Teltonika TRB245** IoT Gateway for Multifunction meter data acquisition via **RS-485/Modbus**, mapping multiple register IDs and enabling **MQTT**-based telemetry transmission to **AWS** cloud infrastructure.
- Designed and developed a cloud-connected IoT architecture using **AWS IoT Core** and **MQTT**, implementing real-time data pipelines with **AWS Lambda**, **S3**, **DynamoDB** and AI-powered report generation using **Amazon Bedrock**.
- Achieved **0.8-second latency** with **zero packet loss** while managing cloud infrastructure, system architecture and end-to-end data flow across IoT, database and web layers.

Apurva Creation – Creative Agency Platform | GitHub Actions, AWS (S3, CloudFront) | 🌐 | 🌐 2026

- Architected** and deployed a production-ready **Next.js/React.js** web application on **AWS** using **Amazon S3**, **CloudFront**, **AWS Certificate Manager (ACM)** and **GitHub Actions CI/CD**, enabling **automated, secure and scalable** deployments.
- Implemented **secure cloud infrastructure** using **private S3 buckets**, **CloudFront OAC**, **HTTPS/TLS**, **IAM** and **GitHub Actions CI/CD** for automated build and deployment.
- Optimized website performance and global accessibility through **CloudFront CDN caching**, **static asset delivery** and modern frontend development using **React.js**, **Next.js**, **TypeScript** and **Tailwind CSS**.

SKILLS

Technical Skills: AWS (*IoT Core, EC2, DynamoDB, SNS, Lambda, Bedrock*), Linux (Ubuntu Basics), IoT Systems, Azure IoT Hub, MQTT, Networking Fundamentals, CI/CD

Programming Languages: Java, SQL

Version Control: Git, GitHub

Tools and Platforms: VS Code, Google Antigravity, Azure IoT Explorer

Languages: Marathi, Hindi, English

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02) | *Amazon Web Services*

GitHub Foundations (GH-900) | *GitHub*

Java – Alpha Course | *Apna College*

AWS Academy Cloud Architecting | *AWS Academy*

PUBLICATIONS

Design and Implementation of IoT Based Energy Monitoring System for Smart Energy Meters | *IEEE ODICON 2026*

- Published in the **2026 4th Odisha International Conference on Electrical Power Engineering, Communication and Computing Technology (ODICON)**, IEEE, Bhubaneswar, India.
- DOI: 10.1109/ODICON66687.2026.11470902
- Authors: Vaidya M., Sonje Y., Bhandari R., Joshi V., Gadgil K., Shelar S.

INTELLECTUAL PROPERTY

RouteMind – AI-Based Traffic Light Optimization for Congestion Management

2024-2025

- Registered under Literary Dramatic Works with the Copyright Office, Government of India. (Registration No.: L-160818/2025)

LEADERSHIP & ACTIVITIES

- Founder, Operations Head(2025) & Chief Advisor(2026) – Vyoma Prototype Competition** AISSMS IOIT, 2025–2026
- Played a key leadership role in founding, managing and scaling Vyoma from a zonal-level to a national-level prototype competition, coordinating multidisciplinary teams, logistics, planning and stakeholder engagement.
- Media Secretary – Electrical Engineering Departmental Society** AISSMS IOIT, 2024
- Led the media team, managed content creation, coverage of departmental events and handled social media coordination.