

Avadhoot Gawali

AI and Digital Strategy Executive, Completion Products

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I'm an instrumentation and control engineer who has worked every layer of how a factory runs — the wiring, the control systems, the plant software, and the enterprise systems, data and cloud above them. Today I'm AI and Digital Strategy Executive at Completion Products, based in Abu Dhabi. What I bring is the connection between those layers: I have stood where the instrument is wired, and I understand the decision it ends up informing.

EXPERIENCE

Mar 2023 – present	Digital Transformation Engineer, now AI and Digital Strategy Executive Completion Products · Abu Dhabi, AE · Singapore · Batam, ID · Pune, IN Digital strategy for a four-country manufacturer of oil and gas completion equipment: enterprise systems, data, cloud, security, AI and adoption. ERP · Cloud data platform · Business intelligence · Endpoint security · Python
Jun 2022 – Mar 2023	Software developer, IoT and MES Yash Technologies · Pune, IN IoT and factory-automation work in the IoT and MES practice, from client requirements to proof of concept. Ignition · SCADA · Industrial IoT · MES · Python
Mar 2020 – May 2022	System engineer, migration and modernisation Emerson Export Engineering Centre · Pune, IN Reverse engineering and migration design moving legacy control systems onto DeltaV DCS, for plants abroad. DeltaV DCS · Rockwell PLC · Legacy DCS · SCADA
Nov 2018 – Mar 2020	Project engineer Analogic Automation · Gujarat, IN · Karnataka, IN PLC, SCADA and HMI for pharmaceutical, life-sciences and food plants, from factory acceptance to commissioning, including 21 CFR Part 11 validated work. Rockwell PLC · Siemens PLC · SCADA · FactoryTalk · VFD · SQL · SSRS · Process historians
2018	Instrumentation & control engineer, commissioning A brownfield brewery Field cabling and termination on a brownfield brewery, from control panel to instrument.

EDUCATION

Aug 2026 – 2028	Blended Post Graduate Programme in Management IIM Ahmedabad Strategy, finance and general management.
2018	B.E. Instrumentation and Control Engineering Government College of Engineering & Research, Awasari · Pune, IN Instrumentation and control engineering. A PLC and SCADA inventory-management system from this period was published in 2018, and a smart inventory system won first runner-up in an industrial IoT project competition run with the ISA Pune section.

2017

Honeywell DCS C300 and C200E training

Government of India, Directorate General of Training

PUBLICATIONS

Input delay control in industrial systems using advanced disturbance rejection scheme.

IEEE, 2023.

Design of robust controller for liquid level system using disturbance rejection control based on prediction.

IEEE, 2022.

PLC, SCADA based automatic inventory management system.

International Journal of Innovative Science and Research Technology, vol. 3, issue 5, May 2018.

SKILLS

Instrumentation and controls · MES and industrial IoT · ERP and process redesign · Data and cloud · AI adoption · Requirements and traceability