

ADITYA YADAV DAINE

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OBJECTIVE

Results-driven Mechatronics Engineering professional with hands-on experience in embedded systems, Electric Vehicle (EV) architecture, 3D modeling (Creo/AutoCAD), and PLC automation. Aiming to apply my knowledge in mechanical design, manufacturing, and automation to develop efficient, reliable, and sustainable engineering solutions, while continuously enhancing my technical expertise and professional skills to contribute effectively to the growth of the organization.

EDUCATION

Sanjivani College of Engineering, Kopergaon	2023 - 2027
B.Tech in Mechatronics Engineering — CGPA:7.4	Kopergaon, India
First Class Distinction (Honors: EV Technology)	
K.B. Rohamare Jr. College, Kopergaon	2022 - 2023
12th Science (HSC Board) — Percentage:55	Kopergaon, India
Secondary School Education	2020 - 2021
10th (SSC Board) — Percentage:79.40	Kopergaon

PROJECTS

SmartPolyhouse Automation System	Present
Engineered an autonomous agro-climatic structure that tracks environmental data arrays across a 3-tier hardware sensory layer. Improved resource delivery margins and tracking stability index by 20% using smart responsive microcontroller logic.	
• Automatic Conveyor Sorting Machine	2024-25
Designed and built an industrial sorting apparatus using optical arrays for precise item alignment and classification. Achieved 98% classification precision in sorting objects by color and volumetric parameters in real time.	
• Multipurpose Sieving Machine	2023-24
Modeled and fabricated a particle separation assembly for processing 3 distinct grades of industrial materials. Reduced structural processing timelines by 25% through kinetic link simulation optimizations.	

INTERNSHIP

InternzLearn — Embedded Systems Intern	Sep 2025 - Oct 2025
Evaluated and debugged 5+ complex firmware architectures to optimize multi-node microchip and sensor layouts, improving system reliability. Verification ID: IL102699.	

LANGUAGE

• English (Professional) • Marathi (Native) • Hindi (Fluent)

TECHNICAL SKILLS

• Creo parametric • Solidworks • Autocad • Python • Matlab • Plc Automation
• C Programming • Embedded System

SOFT SKILLS

• Problem solving • Time Management • System Design • Self motivation

CERTIFICATES

• Embedded System Internship • Employment Communication • Foundation course • Autocad