AJAY KUMAR

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JOB OBJECTIVE

A dynamic, innovative, performance driven and highly motivated **SENIOR AUTOMATION ENGINEER** with more than **5 years** of experience in **Control & Instrumentation** in **INDUSTRIAL AUTOMATION (THERMAL POWER PLANT)** covering **Commissioning, Maintenance & Calibration, Troubleshooting,** process control, control systems, engineering design, project management and analysis. Seeking research and development position in industry to utilize strong technical skills and professional experience.

PROFILE SUMMARY

- **5 Years** of hands on working experience on OVATION **DCS system (EMERSON PROCESS MANAGEMENT), different make PLC, SCADA, HMI & more.**
- Experience in **BOP Control Logic design and Implementation, Graphics Design and implementation, Simulation logic Design, first pass test and participate in process testing, participate in FAT activity, Control & Field Instrumentation.**
- A proactive learner with a flair for adopting emerging trends & addressing industry requirements to achieve organizational objectives & profitability norms.
- Effective planner & negotiator with strong analytical, problem solving and organizational abilities.
- Endowed with a passion for winning as evinced via. Proven excellence in the academic & extracurricular areas.
- An effective communicator with excellent relationship building & interpersonal skills.

EXPERIENCE

Senior Engineer	INCH ENGG & SERV PVT LTD (EMERSON)	SEPT 2019	MARCH 2020	0.5 yrs
Engineer	DASTECH SOLUTIONS (EMERSON)	JUNE 2016	APRIL 2019	2.9 yrs
GET	UNITY ENGINNERS (EMERSON)	NOV 2014	JUNE 2016	1.7 yrs
PROJECTS				
PROJECT: Title:	**Goseong (2×1040)** MW. **Thermal Management.**			
DCS System:	Ovation			

Description:	The objective of this project is to conduct Thermal analysis and control of heat transfer through heat exchangers and fan. Project involved HP superheated, Reheated, Economizer, Air preheated, Flue gas heat utilization system, Soot-blowing system, HP heater, LP heater, Combustion & more.			
PROJECT: Title:	**Shinsheocheon (1×1000)** MW. **Steam turbine & Steam Bypass System.**			
DCS System:	Ovation			
Description:	The objective of this project is to conduct rotation of turbine at different stages &			
	Steam bypass process. Project involves HP, IP, LP turbine, De-Super heater system, Drain & vent system, Turbine bypass system, Sealing, Leak-off steam system & more.			
PROJECT: Title:	**Seminole (2×650)** MW. **Fuel supply & Residues disposal**			
Tools Used:	Ovation			
Description:	The objective of this project is Fuel supply for co	Mbustion & Ash management.		
	Project involves Pulverized coal system, Ignition fuel supply system containing HFO & LDO in BMS, Ash & slag removal system, Sprinkle system &			More
PROJECT: Title:	**Dangjin (5×800)** MW. **Piston Cooling**			
Tools Used:	Ovation			
Description:	The objective of this project is to conduct conjugate heat transfer analysis of Piston			
	under coolant flow. Project involves modelling Multiphase flow of Oil over Piston.			
	Temperature pattern were analysed at different oil flow rates.			
PROJECT: Title:	**Jawaharpur (2×660)** MW. **Flue Gas System**			
Tools Used:	Ovation			
Description:	The objective of this project is to conduct Flue gas exhaust system. Project involves			
	Electrostatic precipitator, Ducting system, Flue gas cooling system, Heat exchanger,			
	ID fan, Desulfurization & more.			
PROJECT: Title:	**Hadong (8×660)** MW **Ancillary Systems**			
Tools Used:	Ovation			
Description:	The objective of this project is to conduct different essential process which helps			
	smooth function of plant. Project involves Sprinkle system, Heating system, Drainage			

	system, Blowdown system, Ventilation system, Fire protection system & more.
PROJECT: Title:	**Taean (5050)** MW. **Feedwater Systems**
Tools Used:	Ovation
Description:	The objective of this project is to maintain drum level by feed water system. Project
	Involves Condenser system, Hotwell, Cooling tower, CWP, Deaerator system, BFP & more.
ACADEMIC PROJECT	
Title:	**DUAL FREQUENCY HEXAGONAL MICROSTRIP PATCH ANTENNA**.
Description:	The Scope of this project is to increase the efficiency of antenna by its hexagonal structure pattern. It has higher bandwidth gap and low return loss. It has very good Voltage Standing Wave Ratio (VSWR).

TRAINING ATTENDED

- Completed training on "CONTROL **SYSTEM"** from **STEEL AUTHORITY OF INDIA LIMITED (SAIL),** Durgapur, West Bengal.

TECHNICAL SKILLS

Analysis Software (DCS)	:	**OVATION (Emerson)**
Operating System	:	**Window 2000/XP/Vista/2007/2008.**
Languages	:	C & C++.
Experience	:	ERP
Expertise	:	MS OFFICE, Computer, Internet.
EDUCATION		

2013 B.Tech (Electronic & Communication Engineering) from Bengal **College of Engineering &Technology,** Durgapur, West Bengal with 7.5 CGPA.

2007 12th CBSE BOARD from, Siwan; with 71.80%.

2005 10th CBSE BOARD from, Siwan; with 79.60%.

COURSE WORK

Control System, Measurement & Instrumentation, Thermodynamics, Digital Electronics, Electric Circuit, Electronics engineering and more.

OTHER ACCOLADES

- Best Performer of **Simulation Design Teamfor the period** year 2017-18 DasTech Solutions.
- Holds the merit of winning:
  - Robotics Competition in college for the year 2010.
  - 1st prize for school Young Scientist Talent Competition.

HOBBIES

- Football, Cricket and Music.

PERSONAL DETAILS

Date of Birth	:	13/02/1991	
Permanent Address	:	Nai Basti Malviya Nagar, Siwan- 841226	
Languages Known	:	English & Hindi.	