

PROFORMA FOR BIO-DATA (to be uploaded)

1. Name and full correspondence address

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3. Institution **Indian Institute of Technology Roorkee**

4. Date of Birth **2nd November 1988**

5. Gender (M/F/T) **Male**

6. Category Gen/SC/ST/OBC **General**

7. Whether differently abled (Yes/No) **No**

8. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	Marks
1.	B. Tech.	2006-10	Mechanical Engineering	Indian Institute of Technology Roorkee, India	8.1/10.0
2.	M. S.	2018-20	Mechanical Engineering	University of Southern California, USA	3.4/4.0
3.	Ph. D.	2021-	Mechanical Engineering	Indian Institute of Technology Roorkee, India	8.0/10.0

9. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Title : Algorithmic Design of Complex Systems
Guide : Prof. Vidit Gaur
Institution : Indian Institute of Technology Roorkee
Year : Expected in 2024

10. Work experience (in chronological order).

	Positions held	Name of the Institute	From	To	Pay Scale
1.	Technical Management Trainee	Nestle India Limited	2010	2011	
2.	Assistant Manager – Projects	Nestle India Limited	2011	2013	
3.	Project Engineering Manager	Nestle India Limited	2013	2015	
4.	Principal Consultant	PMG Engineering Private Limited	2015	2018	

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

	Name of Award	Awarding Agency	Year
1.	IIT Roorkee Heritage Foundation Annual Excellence Award for Outstanding Academic, Co-curricular, and Extra-Curricular Achievements	IIT Roorkee	2009
2.	Project Management Professional (PMP) Certification	Project Management Institute	2014
3.	IGBC Accredited Professional Certification		2014
4.	Energy Manager & Energy Auditor		2014
5.	Certified Manufacturing Engineering (CMfgE)		2015

12. Publications (*List of papers published in SCI Journals, in year wise descending order*).

- [1]. **Pandey, A.**, Gaur, V., ALGINEER: Algorithmic design of complex systems. Advanced Engineering Informatics **55**, 101826 (2023).
- [2]. **Pandey, A.**, Bhandari, L., Gaur, V., Identification and optimization of material constitutive equations using genetic algorithms. Engineering Applications of Artificial Intelligence **128**, 107534 (2024).

13. Detail of patents.

S.No	Patent Title	Name of Applicant(s)	Application No.	Filed Date	Agency/Country	Status
1	A Four-Point Bend Fatigue Testing Fixture With a Large Span of up to two meters	Bhandari, Litton Pandey, Abhinav Gaur, Vidit	202411018694	14 th March 2024	Indian Patent Office	Filed