

BIO-DATA / CV

Name and Full Correspondence Address **Aakula Swathi**
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Institution Chaitanya Engineering College
Date of Birth 09/07/1994
Gender (M/F/T) Female
Category (Gen/SC/ST/OBC) OBC
LinkedIn/ORCID/Other IDs
<https://www.scopus.com/authid/detail.uri?authorId=57221227067>

Academic Qualifications (Undergraduate Onwards)

Degree	Year	Subject	University/Institution	% / CGPA
Ph.D (Pursuing)	2021– Present	Mechanical Engineering	GITAM University	—
M.Tech	2020	Thermal Engineering	GMR Institute of Technology	8.29 CGPA
B.E	2018	Mechanical Engineering	Andhra University	7.21 CGPA
Diploma	2011	Mechanical Engineering	Govt Polytechnic, Vizag	69.01%
SSC	2008	—	Wisdom Talent School	63.66%

Work Experience (Chronological Order)

S.No	Position	Institute	From	To
1	Assistant Professor	Chaitanya Engineering College	Jan-21	Till Date
2	Recruiting Consultant	Venture Offshore, Visakhapatnam	Dec-16	Oct-17

Publications

S.No	Authors	Title	Journal	Volume/Page	Year
1	N.V.A. Ravi Kumar et al., Aakula Swathi	Zero Trust Architecture for Secure Smart City Infrastructure Using AI- Powered Authentication	IEEE International Symposium on Sustainable Energy, Signal Processing and Cybersecurity (iSSSC)	DOI: 10.1109/iSSSC6 6652.2025.1138 8720	2025
2	Vasupalli Manoj et al., Aakula	Green Hydrogen Generation Using AI-Based Predictive	IEEE International Symposium on	DOI: 10.1109/iSSSC6	2025

	Swathi	Control of Electrolyzers	Sustainable Energy, Signal Processing and Cybersecurity (iSSSC)	6652.2025.1138 8437	
3	Guntreddi Venkataramana et al., Aakula Swathi	Storage Solutions for Sustainable Future	E3S Web of Conferences	Volume 547, p. 03016	2024
4	M. B. Prasad et al., Aakula Swathi	Renewable Energy Integration in Modern Power Systems	E3S Web of Conferences	Volume 591, p. 03002	2024
5	V. Mokshayini et al., Aakula Swathi	Wireless Fast Charging Solutions for Electric Vehicles	E3S Web of Conferences	Volume 591, p. 07001	2024
6	B. Pragathi et al., Aakula Swathi	Fast Charging Electrical Vehicle using PSCAD	E3S Web of Conferences	Volume 564, p. 02014	2024
7	V. Guntreddi et al., Aakula Swathi	Evolution of Solar Cell and Panel Materials	E3S Web of Conferences	Volume 564, p. 05008	2024
8	M. I. Mosaad et al., Aakula Swathi	PV-Wind-Diesel Based Water Pumping System	E3S Web of Conferences	Volume 564, p. 04004	2024
9	V. Manoj et al., Aakula Swathi	Machine Learning Models for EV Load Prediction	E3S Web of Conferences	Volume 564, p. 02009	2024
10	Doddi Bindu Padmavathi et al., Aakula Swathi	Evaluation of Heat Losses in Rotary Furnace	International Journal of Scientific Research in Engineering and Management	Volume 6, No. 3, pp. 1-4	2022
11	Raja Sekhar Sandhi et al., Aakula Swathi	Evaluation of TiO ₂ Nanoparticles in Biodiesel Blends	International Journal of Engineering Trends and Technology	Volume 70, No. 2, pp. 65-74	2022
12	Aakula Swathi, Mandalemula Sai Baba, G. Sireesh Kumar	Selection of Best Biodiesel Blend using Fuzzy AHP-VIKOR	Turkish Journal of Physiotherapy and Rehabilitation	Volume 32, No. 2, pp. 3114-3120	2021
13	Vasupalli Manoj et al., Aakula Swathi	PROMETHEE Based Site Selection for Wind Energy	IOP Conference Series: Materials Science and Engineering	Volume 1033, p. 012035	2021
14	V. Manoj, V. Sai Sravani, Aakula Swathi	Multi Criteria Decision Making Approach for Wind Power Project Location	EAI Endorsed Transactions on Energy Web	Volume 8, No. 32, pp. 1-7	2020
15	V. Manoj, Aakula Swathi, V. Tejeswara Rao	Selection of New Bike in the Market using AHP-TOPSIS Technique	Journal of Critical Reviews (JCR)	Volume 7, No. 14, pp. 941-947	2020
16	Aakula Swathi, Seela Chiranjeevarao	Nano Emulsified Diesel-Biodiesel Blend Selection	IOP Conference Series: Materials Science and Engineering	Volume 988, p. 012012	2020

17	Aakula Swathi, M. Srinivasa Rao	A Study on Energy Management and Environmental Aspects of Thermal Systems	International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST)	Volume 5, Issue 8, pp. 8-19	2019
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Skill / Technology		
AutoCAD, MS Office	Ansyes	
Windows		

FDPs & Certifications

S.No	Program	Organization	Year
1	CAD & MATLAB	Narsimha Reddy Engg College	2021
2	CFD Modelling	GITAM	2021
3	Automotive Materials	SRM University	2021
4	Manufacturing Advances	JNTUK	2022
5	AI Applications in EVs	GMRIT	2024

Professional Memberships

S.No	Organization	Membership Type	Year
1	IAENG	Life time	2025