

## BIO-DATA / CV



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**Institution** Chaitanya Engineering College

**Date of Birth** 10/02/1987

**Gender (M/F/T)** F

**Category (Gen/SC/ST/OBC)** SC

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### Academic Qualifications (Undergraduate Onwards)

Degree	Year	Subject	University/Institution	%/CGPA
B. Tech	2008	EEE	Pragati Engineering College, Peddapuram, JNTUK	7.371
M.Tech	2010	Power Electronics and Drives	Karunya University, Coimbatore, Tamil Nadu	8.62
Ph.D	2020-tilldate	Electric Vehicles	GITAM University, Visakhapatnam	Course work completed

### Ph.D. Details

Institute	Guide(s)	Year of Award	Ph.D. Thesis Title
GITAM University, Visakhapatnam	Dr.S. Srinivasa Rao, Associate Professor, GITAM,VSKP	-	-

### Work Experience (Chronological Order)

S. No	Position	Institute	From	To
1	Teaching Research Assistant (TRA)	Karunya University, Coimbatore, Tamil Nadu	2009	2010
2	Lecturer	Karunya University, Coimbatore, Tamil Nadu	15th June 2010	04 <sup>th</sup> April 2012
3	Assistant Professor	Gayathri Vidya Parishad College of Engineering for Women, VSKP	12th June 2012	30 <sup>th</sup> September 2015
4.	Assistant Professor	Chaitanya Engineering College, VSKP	2 <sup>nd</sup> Jan 2023	Till date

### Professional Recognition / Awards

S. No	Award Name	Year
1	MTech (PED)- Gold Medal-Topper	2010

### Publications

S. No	Authors	Title	Journal	Volume/Page	Year
1.	K. Vinoth Kumar, S. Suresh Kumar, Badugu Praveena	Soft Computing Based Fault Diagnosis	International Journal of Computer and Electrical Engineering	Vol 2, No.4, Pages 753-760	August 2010
2.	Vinod Kumar K, M. Dileep Krishna & Badugu Praveena	Novel Hybrid Asymmetric Cascaded Multilevel Pwm Inverter For Reduction Of Thd	International Journal of Electrical and Electronics Engineering Research (IJEEER)	Volume 4, Pages 11-22	2014

3.	Badugu Praveena, Dr.S.Srinivasa Rao	SOC estimation for Battery Management systems using Li-ion Batteries in electric vehicles	International Journal of Power Electronics Controllers and converters,	Volume 9, Pages 13-21	2023
4.	Guntreddi V.; Satheesh S.; Praveena B.; Tunga N.B.; Hushein R.; Sahoo D.K.	Deep Learning-Driven Novel Energy Conversion Frameworks for Smart Grid Applications	13th IEEE International Conference on Smart Grid Icsmartgrid 2025	Pages 375-382	2025
5.	Vasupalli Manoj; Badugu Praveena; Praveen Kumar Yadav Kundala; Damala Rajesh Babu; N.V.A. Ravi Kumar; Potnuru Sivasai	Performance Analysis of Hybrid Renewable Energy Systems in Smart Cities Using IOT Monitoring	International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE)	2026, Pages 1-5	2026
6.	Badugu Praveena	Detecting Botnet Traffics with Advanced Algorithms	4 <sup>th</sup> International Conference on Data Science and Management (ICDSM-2025)	Paper presented yet to be published and indexed	2025

## Technical Skills

Skill / Technology		
<b>Air Circuit Breakers</b>	SIEMENS Training Centre, Karunya University, Coimbatore	15 <sup>th</sup> Sept to 16 <sup>th</sup> Sept-2009
Three Day Intensive Training Programme on <b>LabVIEW</b>	<b>Karunya University</b> in collaboration with <b>National Instruments</b> , Coimbatore	25 <sup>th</sup> Feb to 27 <sup>th</sup> Feb -2010
<b>Scilab-Free Open-Source Software for Engineering</b>	Jointly Organized by <b>Fr.C.R.I.T</b> and <b>FOSSEE-Project IIT Bombay</b> , Mumbai in association with <b>MHRD</b>	29 <sup>th</sup> November to 3 <sup>rd</sup> Dec -2010
<b>MATLAB for Deep Learning</b>	Department of Electronics and Telecommunication, <b>AISSMS COE, Pune</b>	30 <sup>th</sup> May-2020
<b>LaTex</b>	GITAM UNIVERSITY, <b>Bangalore</b>	5 <sup>th</sup> July 2021-9 <sup>th</sup> July 2021
<b>EV design using MATLAB</b>	APSSDC	Aug 23 2021-Sept 21 2021

## FDPs & Certifications

S. No	Program / Certification	Organization	Year
1.	Introduction to Research	<b>NPTEL</b>	2021
2.	Electric Power systems	<b>Course era</b>	2021
3.	Two Week online Short-term Training Program on "Emerging Technologies in Electric Vehicles"	Bapla Engineering College, (Autonomous), Bapatla	2021
4.	Electric Vehicles and Mobilty	<b>Course era</b>	2021
5.	Research Ethics	<b>Swayam Online certification</b>	2022
6.	National Webinar on "Critical Challenges in Smart Grid and Possible Solutions"	GITAM UNIVERSITY, <b>Visakhapatnam</b>	2022
7.	5-Day FDP- Recent Trends in Power Electronics	Tifac-Core in Automotive Infotronics, <b>VIT UNIVERSITY</b>	2023
8.	One week online FDP – Entrepreneurial perspectives on Green energy and Electric Vehicle Innovation	Shri Vishnu Engineering college for women-	2024
9.	"Advanced Power Electronics and Intelligent Optimization Techniques for Electric Vehicles"	Avanthi College of Engineering	2024

<b>10.</b>	Innovative green energy generation and storage technologies	<b>ATAL FDP-MAHARAJ VIJAYARAM GAJAPATHI RAJ COLLEGE OF ENGINEERING</b>	2024
<b>11.</b>	Introduction to IoT and Machine Learning: Essential Skills for Smart Cities and Mobility	<b>ATAL FDP- GPT Himirpur</b>	2024
<b>12.</b>	Energy Literacy Training	<b>AICTE</b>	2024
<b>13.</b>	Dynamics and Control	<b>edX certification</b>	2024
<b>14.</b>	Digitalization of Intelligent and Integrated Energy Systems	<b>edX certification</b>	2024
<b>15.</b>	Outcome Based Education-FDP	<b>IIT Madras</b>	2024
<b>16.</b>	40 hrs Certification Course on “ <b>AI Tools and Application</b> ”	<b>JNTUGV, Vizianagaram</b>	2025
<b>17.</b>	Clean Mobility Revolution: Electric and Hydrogen powered Vehicles	<b>ATAL FDP-Godavari Global University</b>	2025
<b>18.</b>	NEP 2020 Orientation and Sensitization Programme	<b>UGC –(GAD-MMTC)</b>	2025
<b>19.</b>	AI Driven Advanced Control and Renewable Energy Integration in Electric Vehicles	<b>GITAM University</b>	2025
<b>20.</b>	Artificial Intelligence and Machine Learning Applications in Electric Vehicles and Renewable Energy Systems	<b>ATAL FDP-PSNA College of Engineering and Technology - Dindigil</b>	2026

### Professional Memberships

<b>S. No</b>	<b>Organization</b>	<b>Membership Type</b>	<b>Year</b>
1	IAENG (International Association of Engineers)	professional	2026
2.	IEEE (Member Number:92945718)	professional	2013