



Ojas Gupta | B.Tech (EE)

B.Tech – Electrical and Electronics Engineering
National Institute of Technology, Puducherry

+91-7908079089

ee22b1025@nitpy.ac.in

gupta.ojas.27@gmail.com

linkedin.com/in/gupta-ojas 

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	National Institute of Technology, Puducherry	8.97 (Current)	2022-Present
AISSCE	Kendriya Vidyalaya No.2, Port Blair	93.8%	2022
AISSE	Kendriya Vidyalaya No.2, Port Blair	95%	2020

Technical Skills

- Programming: C, C++, Python, GitHub, Git, Node.js, API, OAuth 2.0, Java (Android App Development)
- OS: Windows, Linux, Ubuntu, Android.
- Databases: MySQL, PostgreSQL, MongoDB, Redis.
- Web Technologies: HTML, CSS, JavaScript, Bootstrap CSS, Tailwind CSS, jQuery, Django, Express.js, Flask, FastAPI, Socket Development.
- Cloud: Heroku, Oracle Cloud, Docker, AWS, Azure and Kubernetes Deployment.
- Software: PSIM, MATLAB, Proteus 8 Professional.
- Hands-on experience with Raspberry Pi 4 ESP32, ESP8266 & Arduino Uno
- AI & Machine Learning: PyTorch, Tensorflow, Transformers

Projects

2024-2025

- Power Electronics: - IoT Based AC-AC Voltage Regulator using Raspberry Pi 4.
- Control System: - IoT Based Alarm Clock System with Remote Control
- Microprocessor and Microcontroller: - IoT based Traffic Light Controller using VANET Technology 
- Development of Examination Software for LEAP Students for NEET and JEE 
- Development of Free Maps API at <https://sierramaps.ftp.sh>
- Development of LEAP Website at <https://leapnitpy.org>
- Development of IEEE Conference website for NIT-PY at <https://iconscept.in>
- Development of Gyanith – 2025 at <https://gyanith.org>
- Development of Le Ciel 2024 at <https://lecielifest.com>
- Development of VIGILANT (Vehicle Integrated Grid-Level Intelligent Anomaly Neutralization Technology)

Key courses taken

Electric Circuit Theory, Analog Circuits, Digital Logic Circuits, Power Electronics, Electrical Machines, Electricity and Magnetism, Signals and Systems, Control System, Power System I, Power Systems II, Power System Operation and Control, Microprocessor and Microcontroller, Measurement and Instrumentation, Digital Image Processing, Sensors for IoT, AI and ML, Neural Network, Conventional and Non-Conventional Energy sources, Digital Control System, Industrial Electronics.

Achievements

- GATE 2025 Qualified Electrical Engineer
- Qualified [NDA-150](#)
- District Rank: 7th in AISSE (Class 10th)
- District Rank: 15th in AISSCE (Class 12th)

Positions of Responsibility

S. No	Position	Institute	Duration
1.	Treasurer	Literary Committee, NIT Puducherry	2023-2024
2.	LEAP Core Physics Tutor	LEAP, NIT Puducherry	2022-2024 (Present)
3.	LEAP Software Development Admin	LEAP, NIT Puducherry	2023-2024
4.	Event Coordinator	Alien Coding, Gyanith 2023	1 st March 2023
5.	Event Coordinator	Gamaka, Le Ciel 2023	3 rd March 2023
6.	Event Coordinator and Volunteer	IConSCEPT 2024, IEEE, NIT Puducherry`	4-5 th March 2024
7.	Website Development Head	Le Ciel Fest 2024	15 August 2024 – 30 October 2024
8.	Website Development Head	Gyanith Technical Fest 2025	20 December 2024 – 1 March 2025
9.	Web Development Head	Zer01Coded, (Coding Club), NIT Puducherry	10 August 2024 – 15 May 2025

Work Experience

- Backend and Database Engineer at Mangoo Food Delivery, Karaikal, from Dec 2023- Feb 2025.
Worked for Backend Cost Reduction. Achieved up to 70% Cost reduced.
- Electrical and Electronics Intern at BSNL.
- Development of VIGILANT (Vehicle Integrated Grid-Level Intelligent Anomaly Neutralization Technology) to protect the EV from Cyber attacks

Additional Skills

- UI/UX Designing
- Tech Startup
- Public Speaking and Event Organizing
- Project Management
- Teamwork and Collaboration