

SUNIL NAGSEN HINGOLE

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EDUCATION

Centre for Development of Advanced Computing, Bengaluru <i>Post Graduate Diploma in Big Data Analytics</i>	2023-2024 71%
Zeal College Of Engineering and Research, Pune <i>Electrical Engineering</i>	2020-2023 CGPA: 8.29
Gramin Polytechnic College, Nanded <i>Post SSC Diploma in Electrical Engineering</i>	2017-2020 79.72%
Andhra Samithi English High School, Nanded <i>General</i>	2016-2017 83%

PROJECTS

Mood Analysis Using Facial Expression Detection **Nov 2023-Jan 2024**

- Technologies used are: Machine Learning, Deep Learning, CNN
- Utilizes computer vision techniques to interpret human emotions from facial expressions in images or videos.
- Objective: Automatically detect and categorize emotions through ML algorithms.

Electrical Vehicle Charging Station Locator **Sep 2022-March 2023**

- Implemented hardware components, including Raspberry Pi and sensors.
- Established a ThingSpeak account for efficient data storage and visualization. Integrated a Telegram chatbot for real-time notifications about charging stations.
- Ensured seamless overall integration of various project components.

INTERNSHIP

Centre for Materials for Electronics Technology, Pune **03 2023 – 08 2023** *Project Intern* Pune, India

- Conducted comprehensive component-level analysis using SPICE and PLECS simulation tools to identify and mitigate high-stress areas (electromagnetic, thermal, mechanical) within power electronics systems, ensuring robustness and reliability..
- Collaborated closely with cross-functional teams including manufacturing engineers and suppliers to successfully transition developed concepts into mass production, ensuring seamless integration and adherence to quality standards.
- Utilized PCB software tools to optimize layout for mixed-signal and power integrity considerations, achieving robust electrical performance and minimizing electromagnetic interference (EMI).
- Conducted rigorous functional testing of passive power components (capacitors, inductors) and PCB assemblies, verifying electrical performance, reliability, and adherence to design requirements.
- Utilized oscilloscopes, multimeters, spectrum analyzers, and other test equipment to analyze electrical signals, troubleshoot issues, and validate circuit functionality.

TECHNICAL SKILLS

Softwares: LTSPICE, PSPICE, AutoCAD

Languages: Java, Python, HTML

Frameworks: Flask, Django

Automation: PLC and SCADA

Database: SQL, MongoDB

Tools: PowerBI,Tableau, Numpy, Pandas, Scikit-learn, Matplotlib

Other Skills: Machine Learning, Deep Learning, Hadoop, Linux, Cloud Coumputing

CERTIFICATIONS

CDAC Certified [\[View Certificate\]](#)

MySQL Basic Certificate(HackerRank) [\[View Certificate\]](#)

Python Basic Certificate(HackerRank) [\[View Certificate\]](#)

Machine Learning Certificate (Udemy) [\[View Certificate\]](#)

EXTRACURRICULAR

- * Blood Donation Camp Volunteer: Dedicated volunteer at multiple blood donation camps, actively engaging in logistics management, public relations, and collaborative teamwork. Contributed to the success of these events, fostering a positive atmosphere and supporting life-saving initiatives within the community.
- * As an engaged participant in college extracurricular activities, I played a crucial role in managing diverse functions. Responsible for logistics and team collaboration, I ensured the smooth execution and success of various events. This experience honed my organizational and leadership skills.