Rakshada Renapurkar

B.E. Electronics & Telecommunication Engineering | Data Analytics & AI/ML Enthusiast
Email: renapurkarritika@gmail.com | Phone: +91 8769551370 |
LinkedIn:linkedin.com/in/rakshada-renapurkar-87b646229

Profile Summary

Detail-oriented Electronics & Telecommunication Engineer with strong expertise in Python, Data Analytics, AI/ML, and Computer Vision. Experienced in delivering impactful academic and independent projects, including AI-driven classroom surveillance and NLP-based sentiment analysis. Skilled in translating complex data into actionable insights through visualization and automation.

Education

B.E. Electronics & Telecommunication Engineering – Pune Institute of Computer Technology (SPPU), 2021–2025 | CGPA: **6.945**
GATE: 2024 EC Qualified, 2025 CS,DA Qualified
12th HSC (Science) – Shri. Tripura Jr. Science College, Latur (2020-2021)– **96.17%**
10th SSC – Shri. Godavaridevi Lahoti Kanya Vidhyalaya, Latur (2018-2019) – **94.6%**

Internship Experience

Data Analytics Intern – AICTE & _VOIS for Tech Program | Feb 2023 – Apr 2023 (Remote)
- Conducted data analysis and visualization using Python (Anaconda) & Power BI.
- Built interactive dashboards enabling trend identification and decision support.
- Automated data preprocessing workflows to improve reporting efficiency.

Projects

- Smart Classroom Surveillance (YOLOv8, FaceNet, dlib) – Developed a computer vision pipeline for real-time face detection, achieving ~95% precision across classroom setups and automating attendance logging.
- Sentiment Analysis for Transliterated Marathi – Built opinion mining model using Bag of Words (BoW), TF-IDF, Word2Vec; trained & evaluated SVM and Logistic Regression classifiers.
- Graphene-Based Supercapacitor Boat – Designed solar/turbine-powered graphene-based supercapacitor charging system, improving charging efficiency by 25%.
- Capacitor-Based Smart Energy Module – Engineered capacitive-based energy transfer system for renewable setups.

Skills

- Programming & Data Tools: Python, SQL, MATLAB, LTspice, Multisim, Altium, Power BI
- ML/AI: YOLOv8, SVM, Logistic Regression, Word2Vec, TF-IDF
- Hardware: Embedded Systems, FPGA (Verilog/VHDL), Microcontrollers

Certifications

- Google Crash Course on Python
- Stanford Machine Learning
- Meta Front-End Developer, etc.

Languages

English (Fluent), Hindi (Fluent), Marathi (Native)