Jaykumar Girase

Shirpur | Email | +91 8010582428 | Linkdin | Portfolio | Github |

Career Objective

Electrical Engineering student with expertise in automation, IoT, and renewable energy. Skilled in programming, open-source contributions, and data structures algorithms. Passionate about software development, smart grid optimization, and solving real-world challenges through technology..

Education

R C Patel Institute of Technology, Shirpur, Maharashtra , Electrical Engineering | Nov 2022 – Present
- GPA: 6.00/10.0

R C Patel Junior College, Shirpur, Maharashtra, HSC | June 2020 - June 2022
- Percentage: 87.40

R C Patel Secondary and Higher Secondary School, Shirpur, Maharashtra , SSC | 2019 - 2020
- Percentage: 89.40

Experience

Stem Educator and Media Design Intern, STEMSAGE TECHWORLD LLP, Shirpur | May 2024 – Aug 2024
- Led Arduino and electronics workshops, developing course materials and project guide s.s
- Conducted hands-on training sessions on robotics, IoT, and coding, engaging students in interactive STEM learning.

Data Analyst Intern, Unified Mentor Pvt. Ltd.,Gurugram Haryana | June 2025 – Present
- hands-on experience in data analysis processes, including data cleaning, transformation, and visualization using Excel and analytics tools.
- Supported the analytics team by generating insights from business data to assist in decision-making and reporting.

Publications

Integration of Solar and Wind Tracking System | December 2024

Jaykumar Girase - 1V5ISSUE11/IJRPR35626

Projects

Cybersecurity Suspicious Web Threat Interactions
- Built ML/DL-based system for real-time web threat detection using Isolation Forest, Random Forest Neural Networks.
- Designed an interactive Streamlit dashboard for anomaly detection, threat visualization model insights.

TCS Stock Data - Live and Latest
- Implemented Linear Regression and LSTM models for stock price forecasting with trend analysis and buy/sell signal generation.
- Created a Streamlit dashboard integrating real-time analytics, predictive modeling, and interactive visualizations for decision support.

Energy Consumption Forecasting for Smart Grids (Major Project) | ongoing
- Developed a predictive model to forecast energy demand in smart grids using machine learning.
- Integrated real-time data analysis to optimize energy distribution and reduce wastage.

Technologies

Programing Languages: C++, C, Java, python, vue.js, react.js, powerBI, sql, jupiter notebook.

Devlopment Tools: Arduino IDE, Visual Studio Code, Photoshop,Filmora, PLC.

Hardware Tools: Soldering, DMM , IOT.

Achievements

Toy Making Competition at RCPIT | Feb 2025
- 1st Place.

German Language Proficiency: | Feb 2025
- Successfully cleared the Deutsch-Zertifikat A1 (Institute Level).

Robo Racing at COEM, Jalgaon | Feb 2024
- 1st Runner Up