Rashi Porwal

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EDUCATION

Institute Of Engineering And Technology, Bundelkhand University— *B.TECH(ECE)*   *2021-25*

PROJECTS

Antenna Fault Detector

- Developed an antenna fault detection system using the **Streamlit framework** in Python.
- Conducted error analysis on antenna designs simulated in **HFSS software**.
- Extracted and processed data from `.csv` files of key parameters: **S11, S12, Zo (characteristic impedance), and VSWR**.
- Implemented an automated workflow for identifying faults and performance anomalies in antenna designs & saved the data into the system directory.

Real-Time Crypto Market Dashboard with Graphical Data

- Built a dashboard that fetches live prices of the top 10 cryptocurrencies via CoinGecko API, saves them with timestamps in CSV, and generates repeatable line graphs to track price trends over time & using JSON handling, API integration, CSV storage, and matplotlib for clear visual insights..

Secure Offline Password Vault Using Flask

- A secure offline password vault stores passwords locally on your device and protects them with strong encryption and authentication.

SKILLS

Languages: Python, HTML5, CSS, JavaScript
Framework: Tailwind, Flask, streamlit, matplotlib, SciPy, Web Scraping
Tools: Git, Node.js, MongoDB, HFSS(High Frequency Structure Simulator), Matplotlib, Ms-Excel , AI Integration(Advance Excel)
Libraries/Concepts: Numpy, pandas, Scripting(Shell/Bash)

AWARDS

1st Rank in 2nd Year Academics: Topped the academic performance in the second year of college.

Smart Hackathon Winner (2022) & (2023) Runner-Up: Led the team and developed the winning UI and backend for the application.

Lead, Google Developer Student Club (2022): Educated students about new technologies and conducted workshops on campus.