

PRATHAMESH YADAV

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EXPERIENCE

Efficienergi Consultant Pvt. Ltd.

Software Developer Engineer Intern

Mumbai

June 2023 - August 2023

- Generated test reports using Python, pandas, matplotlib, numpy, and docx.
- Manipulated large datasets with pandas for accurate data representation.
- Generated professional reports with docx for clear information presentation.

In-house Internship at KJSCE

Intern

Mumbai

July 2020 - July 2021

- Conducted self-directed projects under the guidance of Professor Ashwini Dalvi.
- Developed expertise in OSINT, Netcraft, Netcat, and Nmap for network reconnaissance, vulnerability assessment, and troubleshooting.

EDUCATION

K J Somaiya College Of Engineering

B. Tech Electronics and Telecommunication *SGPA: 8.71/10*

Vidyavihar, Mumbai

December 2021 – June 2024

Government Polytechnic Mumbai

Diploma Information Technology: *82.6%*

Bandra, Mumbai

August 2018 - September 2021

SKILLS

Programming Languages: C, C++, Python, Embedded C

Web/App Development: HTML, CSS, PHP, Flutter

Machine Learning: Python Libraries (NumPy, Matplotlib, Pandas, docx)

Cybersecurity & Identity Management Tools: OSINT, Netcraft, Netcat, Nmap

Platforms & Operating Systems: Windows, Kali Linux, Ubuntu

IoT & Hardware: Raspberry Pi, Arduino

PROJECTS

Morse Code Translator *Python, Tkinter*

A GUI application to translate English text to Morse code and vice versa using a dictionary-based approach for character conversion.

Object Detection and Distance Measurement *Raspberry Pi, Camera Module, Google TTS API*

A project that uses a Raspberry Pi to detect objects and measure distance, incorporating computer vision techniques and voice feedback via the Google Text-to-Speech API.

Smart Classroom System *Raspberry Pi, Sensors, smtplib*

An advanced classroom management system integrating radar and fingerprint sensors, designed to secure and automate attendance records, with CSV files automatically emailed to faculty using the smtplib library.

Sales Data Analysis Dashboard *Python, Pandas, matplotlib*

Developed an interactive sales analysis dashboard to analyze X sales records, performing data cleaning and transformation for accurate insights. Implemented exploratory data analysis (EDA) to visualize trends in revenue, peak sales hours, and product demand, creating dynamic visualizations that supported data-driven decision-making.

Financial Data Analysis Project *Python, Pandas, yfinance*

Analyzed stock/cryptocurrency data to calculate key metrics like moving averages, volatility, and returns, while visualizing trends to provide insights into market performance and investment opportunities.

CERTIFICATIONS

CCNA | RSTForum

CCNP SCOR | RSTForum

Introduction to cyber security | TryHackMe

Jr. Penetration Tester | TryHackMe

CCNAv7: ITN | Cisco

Introduction to Cisco Packet Tracer | Cisco

Introduction to Machine Learning | Internshala

Wireless Communications for Everyone | Coursera

LEADERSHIP

Momento Media - Founder & Head of Video team

KJSCE Shutterbugs – Videography Head