

JAY PUNEKAR

Pune, Maharashtra

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Education

COEP Technological University

PG Diploma Data Science and Artificial Intelligence

May 2024 - June 2025

Pune, Maharashtra

Savitribai Phule Pune University (Modern College)

BSc. Mathematics (CGPA of 7.5)

August 2021 - March 2024

Pune, Maharashtra

Technical Skills

Desktop Application: Python, tkinter, customtkinter

Web Development: HTML, CSS, JavaScript, Flask, Bootstrap

Data Science: Numpy, Pandas, SQL, Power BI

Experience

Suresh Naik Space Park

Web Development (Freelance)

June 2022 – September 2022

Pune, India

- Designed and developed a captivating website for the Suresh Naik Space Park using **HTML, CSS, JavaScript**, and **Bootstrap**.
- Incorporated interactive elements and engaging content to showcase the wonders of the space-themed park.
- Successfully contributed to the park's outreach efforts, with **over 30,000 visitors** from August 2022 to April 2023, and garnered significant attention from educational institutions by being sought out and looked up by **more than 100 school principals** across Pune, furthering the park's mission of inspiring and educating young minds about space exploration.

River Paradise Resort

Dome Projection Mapping (Freelance)

July 2023 – September 2023

Pune, India

- Performed dome projection mapping on a 10-meter dome using **4 short-throw projectors**, an Nvidia Quadro-equipped media server, **Nestmap software**, and **Canon EOS 5D Mark IV camera with Canon EF 8-15mm f/4L Fisheye USM**. The **EOS Webcam Utility Software** enabled live monitoring, and NestPlay Lite aided content playback.

CanSat

IOT Development (Freelance)

March 2023 – August 2023

Pune, India

- Collaborated with Dr. Sathish Rao (ISRO Scientist) to create a Miniature Satellite for a workshop that has been conducted in **50+** Pune schools.
- Utilized **ESP8266, DHT11, Blynk**, and **C programming language**. **Significantly reduced cost per unit from Rs. 1800 to Rs. 500**, ensuring affordability for all students.
- Enabled real-time data collection of temperature and humidity, seamlessly transmitted to smartphones or tablets every 5 seconds through ESP8266 microcontroller and DHT11 sensor integration.

Projects

AutoVoucherTally | *Python, MongoDB Atlas, XML, Tkinter, Customtkinter* | [Github](#)

February 2023

- Created comprehensive software suite designed for seamless voucher management, leveraging **Python, MongoDB Atlas (NoSQL database), XML, CustomTkinter**, and **Tkinter**.
- The suite comprises three interconnected applications - TallyMain, TallyAccounts, and TallyClient, streamlining voucher creation, approval, and payment processes. Enhances workflow efficiency, accuracy, and integrates seamlessly with **Tally ERP 9** for real-time updates.

Drone Show | *SkyBrush, ESP8266, Pixhawk 2.4.8, Here 3+ RTK GPS Module*

- Designed and implemented a single swarming drone using SkyBrush software, integrating ESP8266 for MAVLink connection.
- Utilized Pixhawk 2.4.8 flight controller and Here 3+ RTK GPS Module that can orchestrate synchronized flight paths and formations.
- Ensured precise positioning and navigation of drones using real-time kinematic (RTK) GPS technology for accurate spatial awareness.