



# PRIYAM NASKAR

## EDUCATION

**Budge Budge Institute of Technology – Kolkata, West Bengal**  
**Bachelor of Technology (B.Tech) in Electronics and Communication Engineering, CGPA-8.33**

**Graduated: 2022**

- Final year project focused on integrating IoT with real-time monitoring using microcontrollers

**Welkin National School- Kolkata, West Bengal**

- Passed Class XII in 2018
- Passed Class X in 2016

## EXPERIENCE

**Software Engineer / Iotai Labs Pvt Ltd, Kolkata**


**Jan 3, 2024 – Feb 22, 2025**

- Deployed and managed web applications on **Linux-based cloud servers (Ubuntu, SUSE)** using **Nginx** for high-availability hosting
- Developed and hosted **RESTful APIs with Flask** for Android and IoT communication, ensuring secure and stable endpoints
- Configured and maintained **Nginx reverse proxy** and firewall settings for routing and performance optimization
- Built and monitored **Python backend systems** to support real-time data transfer using **socket programming over TCP/IP networks**
- Administered **MySQL databases**, handling remote access, performance tuning, and data storage for IoT services
- Set up and maintained **CI/CD pipelines** using **Git and GitHub**, automating deployments and rollback strategies
- Gained hands-on experience with **embedded devices (ESP32)**, with integration into **cloud-hosted infrastructure** via custom network protocols


**Executive-Innovation Cell / Ingreens, Kolkata**

**July 14, 2022 – Jan 2, 2024**

- Deployed **Flask-based ML inference APIs** on **remote Linux servers**, integrating them into web and IoT interfaces
- Configured **Raspberry Pi devices** to run headless Linux distributions for real-time remote data collection and upload
- Maintained API uptime, performance, and security using **Nginx, SSH, and Linux system administration** tools
- Worked with **Python, NumPy, SciPy, and OpenCV** to build backend models and scripts optimized for server execution
- Managed **WordPress websites** hosted on **cPanel/Linux environments**, including domain routing and **SSL configurations**
- Supported **network configurations**, troubleshooting connectivity issues and securing **SSH/SFTP-based deployments**

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## OBJECTIVE

Motivated and skilled IT professional with over 2 years of experience specializing in Python, Linux, and cloud-based solutions. Proficient in application development using Flask and OpenCV, managing Linux servers with Nginx, and deploying scalable solutions on AWS. Experienced in Android development and integrating technologies like YOLOv8. Seeking a challenging role in the IT industry to leverage technical expertise and drive innovative solutions.

## COMMUNICATION

I can communicate in English, Hindi and Bengali

## Certificate

- English Proficiency Certificate-  
-(<https://cert.efset.org/i76vpv>)
- Complete Linux Trainig Courses from Udemy(Feb 2025-April 2025)
- Complete A.I. & Machine Learning, Data Science Bootcamp (March 2025- May 2025)
- The Complete Python Bootcamp From Zero to Hero in Python (April 2025-May 2025)
- English Module 1, at the Pre Intermediate level from British Council India (19/06/2018-08/08/2018)
- Done Internship at Flipkart(Instakart) from (23/09/2021-08/11/2021)
- Participate in Kshitij 2020 (17/01/2020-19/01/2020)
- Capacity Building Training Program on Rigid and Semi Rigid Packaging From IIP (12/01/2021-20/01/2021)

## Courses:

### Professional Linux Training

- Linux OS
- Linux System Adminstration
- Python
- AI/ML



<https://github.com/priyamnaskar36>

### My Strength :

- Fast learner, adapts quickly to new technologies
- Reliable in delivering projects within deadlines

### Area for Improvement

- Currently improving leadership and team management skills

### Hobbies and Interests:

- Photography – develop creative and visual storytelling skills through urban and nature photography, proficient in using DSLR.
- Aquarium keeping – passionate about maintaining freshwater aquariums; enjoy learning about aquatic ecosystems and caring for tropical fish

- **Built internal tools to improve data flow between edge devices and the hosted APIs, leveraging Linux cron jobs and bash scripting**

## Technical Skills

Programming & Scripting: Python, Bash

Web & App Development: Flask, HTML/CSS, JavaScript, Android (Java), WordPress

**IoT & Embedded Systems:** ESP32, Raspberry Pi, Arduino

**Networking & System Administration:**

Linux (Ubuntu, CentOS, RHEL), DNS, FTP, SSH, LDAP, NFS, NTP, Firewallld, iptables, NIC management, Static IP

**Cloud & Deployment:**

Nginx, GitHub, Docker, Ansible, VirtualBox

**Database:**

MySQL, MariaDB

## Experience in Linux

- Install and Configure CentOS
- Password Management
- Create files and Directories at user and root level
- Linux file system management
- Create file and Directories
- Utilize Pipes to Management Output
- Utilize Ansible and Docker to deploy a software
- Log Monitor when system have issues
- Knowledge on Firewallld and iptables

## Projects

### Web Scraper & Dashboard for Job Listings

•Tech: Python, BeautifulSoup, Requests, Streamlit

•Built a scraper to extract remote job listings from Indeed and displayed results on a live dashboard.

•Added filters for keywords, location, and salary; data auto-refreshes using scheduled jobs.

•Deployed on Streamlit Cloud for demo.

GitHub:

[https://github.com/priyamnaskar36/Web\\_Scrapper\\_Dashboard](https://github.com/priyamnaskar36/Web_Scrapper_Dashboard)

### Inventory Management System (Desktop App)

**Tech:** Python, Tkinter, SQLite

•Developed a GUI-based inventory manager with CRUD operations for small businesses.

•Tracks stock, purchases, sales, and generates low-stock alerts.

•Enabled CSV export and invoice generation.

GitHub:

[https://github.com/priyamnaskar36/Intevorey\\_Management](https://github.com/priyamnaskar36/Intevorey_Management)

### AI Chatbot with OpenAI GPT API

**Tech:** Python, OpenAI API, Flask

•Created a conversational assistant that answers product FAQs and supports multi-turn dialogue.

•Integrated with a Flask web front-end and stored user sessions in memory.

•Custom-trained for specific domain topics.

GitHub: [https://github.com/priyamnaskar36/Ai\\_Chatbot](https://github.com/priyamnaskar36/Ai_Chatbot)

### ML-Based Housing Price Predictor

**Tech:** Python, Scikit-learn, Streamlit

•Built a regression model to predict housing prices based on size, location, and amenities.

•Included interactive widgets for user input and CSV upload for batch predictions.

•Deployed on Streamlit with real-time visualization of prediction results.

GitHub: <https://github.com/priyamnaskar36/ml-housing-prediction-app>