Kampali Usha Paul

Continuous Learner
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Linkedin | **GitHub** | **LeetCode** | **HackerRank**

Education

Ballari Institute of Technology and Management — Ballari, Karnataka, India
Electrical and Electronics Engineering Bachelor of Engineering — Nov 2022 - June 2026
CGPA: 8.75

Sri Vidyanikethan PU College — Gangavathi, Karnataka, India
PCMB PUC — May 2020 - June 2022
Percentage: 85.5%

Jijamata Kanya Prashala — Akluj, Solapur, Maharashtra, India
Degree in SSLC — March 2020
Percentage: 86.80%

Experience

EZ Training and Technologies | Python Programming Intern — Ballari Institute of Technology & Management | April 2024 - May 2024

Completed a 3-week intensive internship focused on Python programming, gaining hands-on experience in core concepts, problem-solving, and software development best practices.

Engaged in structured training sessions led by industry professionals, deepening understanding of real-world applications of Python in backend development and system optimization.

Skills

Programming Languages:	Python Programming, HTML, CSS, JavaScript
Tools / Platforms:	VS Code, Git, GitHub

Projects / Open-Source

Travel History Tracker | Link — *Python Programming*

Developed a command-line application using Python and OOP principles to manage travel history, implementing a linked list data structure for efficient storage and traversal of destinations. Features include adding locations (nodes), viewing chronological travel logs (traversal), and removing recent entries (tail deletion), demonstrating core data structure operations.

Locker Management System | Link — *Python & OOP Concepts*

Created a CLI-based system to automate locker rentals using OOP principles, featuring size-based pricing (Small/Medium/Large), user registration, and secure PIN-based access with SHA-256 hashing. Implemented functionalities like real-time locker allocation, payment processing, and automated status updates, demonstrating modular design with classes (Locker, User, Airport Locker System) for scalability. Integrated secure authentication and transaction workflows to streamline airport luggage storage operations, emphasizing clean code practices and user-centric design.

Wind Powered Smart StreetLight — *Wind Energy Conversion, Smart Automation*

Designed a cost-friendly, eco-friendly system utilizing a wind turbine (DC motor/generator) to capture wind energy and store power in rechargeable batteries for LED street lighting. Incorporated LDR sensors for automatic operation, ensuring activation only in low-light conditions (nighttime), cutting down power usage by 50%. Modeled a power distribution network with transformers and transmission structures to illustrate an adaptable setup for isolated areas. Integrated renewable energy collection, smart automation, and advanced power storage to present a sustainable solution for modern urban illumination.

Certifications

- Basics of Python - **HackerRank**
- Python Programming - **EZ Technologies**
- HTML Tutorial - **Coursera**
- Intro to Git and GitHub - **Coursera**