

KAMPALI USHA PAUL

Continuous Learner

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LeetCode | LinkedIn | GitHub | HackerRank

EDUCATION

Ballari Institute of Technology and Management
Electrical and Electronics Engineering Bachelor of Engineering
CGPA: 8.75

Ballari, Karnataka, India
Nov 2022 - June 2026

Sri Vidyanikethan PU College
PCMB PUC
Percentage: 85.5%

Gangavathi, Karnataka, India
May 2020 - June 2022

Jijamata Kanya Prashala
Degree in SSLC
Percentage: 86.80%

Akluj, Solapur, Maharashtra, India
April 2019 - March 2020

EXPERIENCE

EZ Training and Technologies | Python Programming Intern BITM | 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.
Participated in structured training sessions led by industry professionals, gaining insights into 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 optimized 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 processes to streamline airport luggage storage operations, ensuring a seamless user experience.

Wind Powered Smart StreetLight
Designed a cost-friendly, eco-friendly system utilizing a wind turbine (DC motor) 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 (night time), 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**