Baibhab Adhikari

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Education

BTech **Adamas University**, Computer Science and Engineering   Aug 2023 – Ongoing

- GPA: 8.83/10.0
- **Coursework:** C Programming, Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming.

Publications

Comparative Analysis of Different Generative AI Models For Scholarly Articles on Blockchain Technology   (Accepted)

Baibhab Adhikari, Prabhat Das,Bodhi Chakraborty

Achievements

- **1st Prize - Smart Mobility Track, Vishwakarma Awards 2024 - IIT Hyderabad** — Developed website for the award-winning project "DeliDrone" - an autonomous medicine delivery drone with temperature regulation.

- **Winner of 7th Inter College Competition on Prototype Design for Mankind by Heritage Institute of Technology** — Developed website for the award-winning project "DeliDrone", an autonomous medicine delivery drone with temperature regulation.

Projects

CatVault - Password Generator and Manager Web App   github.com/Baibhab-Adhikari/CatVault

- Developed a secure password management application that features robust encryption, password generation capabilities, and a user-friendly interface. Users can generate and store their passwords safely in the web application.
- Tools Used: Python, Flask, MySQL, HTML, CSS, JavaScript, Bootstrap 5, PyCharm, Git

Scientific Calculator   github.com/Baibhab-Adhikari/Scientific-Calculator

- Developed a CLI based Scientific Calculator using Object Oriented Programming in Python. It is able to perform Arithmetic, Trigonometry, Complex and Logarithm operations with the feature to change the calculator mode from Degrees to Radians and vice versa.
- Tools Used: Python, VS Code, Git

Smart Dustbin with OLED Display for Real-Time Garbage Monitoring   github.com/Baibhab-Adhikari/Smart-Dustbin-with-OLED-Display

- Built a Smart Dustbin with an OLED display that displays the real-time garbage level inside the dustbin. It also features automatic lid opening via the usage of ultrasonic sensors when the hand is near the lid.
- Tools Used: C++, Arduino IDE, ESP8266 (NodeMCU), Git

Certifications

- **CS50X - Introduction to Computer Science** - Harvard University (2024)
- **Programming, Data Structures and Algorithms using Python** - NPTEL (2024)
- **Problem Solving Through Programming In C** - NPTEL (2024)
- **Python (Basic)** - HackerRank (2024)

Technologies

Languages: Python (proficient), C, C++, SQL

Technologies: Flask, Bootstrap, MySQL, VS Code, PyCharm, Jinja, Anaconda, Git
Operating Systems: MacOS, Windows