

# HITARTH THANKI

[hmthanki@uh.edu](mailto:hmthanki@uh.edu) | [linkedin.com/in/hitarth-thanki](https://linkedin.com/in/hitarth-thanki) | [github.com/brohudev](https://github.com/brohudev)

## EDUCATION

### University of Houston

Bachelor of Science in Computer Science

- Dean's List - Fall 2023

Houston, TX

Aug. 2022 – Expected May 2026

## PROJECTS

### Personal Portfolio

Aug. 2024 – Present

- Developed **Version 1** as a single-page portfolio using **React**, showcasing key projects through a simple card layout.
- **Version 2** (in development) will feature a blog that acts as a repository for future projects, technical takes, and personal encounters at conferences and hackathons.
- Utilized **React** for front-end development, with plans to integrate content management for the blog feature.
- Aimed to create a comprehensive digital portfolio highlighting both professional growth and personal experiences.

### Stellar Scholars

Jan 2024

- Built a web browser video game using **Javascript**, **React**, **Pixi.js**, and **Tailwind CSS** to teach kids about the planets and moons of the Solar System. Integrated **OpenAI API** to create a context-aware chatbot for educational guidance. Deployed on **Cloudflare Pages**.
- Achieved **Best Software Design**, **Best AI Application** with Cloudflare, **4th place overall in Software track**, and **3rd in the L3Harris Challenge**.

### Dropawf

Apr 2024

- Developed a pet themed post office app with **NodeJS**, **React**, and **MySQL** for tracking packages and managing addresses. Hosted frontend on **Cloudflare Pages** and backend on **Render** connected to **Azure**.
- Collaborated with a team of five, utilizing **Git** for version control and continuous deployment via **GitHub** to streamline development and deployment.

## LEADERSHIP EXPERIENCE

### Director of CodeRED

Jan 2024 – Present

University of Houston

Houston, TX

- Orchestrated the largest hackathon in the Houston metropolitan area, overseeing all aspects of planning and implementation.
- Managed a team of 20 students, coordinating efforts in Design, Code, Marketing, and Sponsorship acquisition.
- Handled a **budget of approximately \$40,000**, optimizing resource allocation to maximize event impact.

### Software Team Lead: USIP

Jul 2023 – Present

University of Houston

Houston, TX

- **Led a 6-member software development team** for the Undergraduate Student Instrumentation Project (USIP), managing coding tasks and team collaboration.
- Maintained and improved existing code from previous USIP batches, enhancing complex software systems.
- Pioneered new software development methods to ensure ongoing improvement and sustainability for future USIP batches.

### Historian: CougarCS

Nov 2022 – Dec 2023

University of Houston

Houston, TX

- **Captured and documented over 90 CougarCS events**, creating a visual and written record of key moments.
- Recorded workshops, talks, and events, contributing to the organization's comprehensive knowledge repository.

## TECHNICAL SKILLS

**Languages:** Java, **Python**, C/C++, JavaScript, **React**, HTML/CSS, R

**Frameworks:** React, **Node.js**, Flask, JUnit, WordPress, Material-UI, FastAPI

**Concepts:** Object-Oriented Design (OOD), Object-Oriented Programming (OOP), CI/CD, Data Structures and Algorithms (DSA), Databases (DB), Operating Systems (OS)

**Cybersecurity:** GQRX, HackRF, SDR, CAN bus, LIN, Automotive Ethernet, UDS, Ghidra, Reverse Engineering

**Developer Tools:** **Git**, **Cloudflare Pages**, GitHub, VS Code, Visual Studio, **Linux**, Emacs, Vi, Vim