Duddu Hriday

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Education:

BTech in Computer Science and Engineering, **IIT Dharwad**, November 2021-Present, **CPI: 8.55**, **SPI: 9.00**

Experience:

IIT Dharwad, Summer Internship under Professor Tamal Das: **May 2024 - Present**

- Implemented **web scraping tools** to download webpages and resources like CSS, JS, and images for phishing detection analysis.
- Implemented **automated screenshot comparisons** of local and online web pages for similarity comparison.
- Currently leading efforts in **dataset collection** and **feature extraction**, crucial for training **machine learning models** to enhance **phishing detection accuracy.**

Department of CSE, IIT Dharwad: Student Mentor: **Dec 2022 – Present**

- Mentored **6** first-year students, providing **academic** and **personal support**.
- Organized **articulate communication** by organizing more than 10 orientation sessions, resulting in a **20%** increase in mentees' academic performance and a **15%** improvement in overall satisfaction.

Projects:

Phishing Website Detection, a Machine Learning project:

- Designed a phishing detection system utilizing web scraping for resource retrieval and automated screenshot comparison for visual analysis.
- Directed the collection and preprocessing of diverse datasets comprising legitimate and phishing web resources to support model training.
- Currently leading feature extraction initiatives and contributing to the development of machine learning models aimed at improving the accuracy of phishing detection systems.

Smart-Med, an appointment scheduling platform:

- Pivoted a team of **4** to develop an **appointment booking system** for convenient scheduling and viewing of doctor availability.
- Employed a tech stack consisting of **HTML, CSS, JavaScript** for the front, and **PHP** and **MySQL** for the backend and **Git** for version control.
- Oversaw the end-to-end development of the Smart-Med platform, overseeing both frontend and backend components.

Our Bank, a Bank Management System:

- Developed a comprehensive bank management system, **Our Bank**, utilizing **C++** and **file operations**.
- Implemented user-friendly interfaces for both **admin and user functionalities**.
- Enhanced skills in **data management** and **sorting algorithms** for efficient data organization.

IIT Dharwad Student Portal, Aid Website for students of IIT Dharwad:

- Designed a student portal with **HTML, CSS, JavaScript, PHP,** and **MySQL** alongside a **4**-member team.
- This project was selected in the top **15** projects of the **PARSEC 5.0 Hackathon of IIT Dharwad.**

PhonePe Clone, Database, and Information Technology course project:

- Led a **4**-member **backend team** to develop a PhonePe clone using **Python** and **PostgreSQL**.
- Ensured **data integrity** and **performance** with a **robust database schema**.
- Contributed to code reviews, testing, and documentation.

Technical Skills:

Programming and Scripting Languages: C, C++, Java, HTML, CSS, JavaScript, Python, PHP

Tool and Libraries: Selenium, Beautifulsoup, Requests, LaTeX, BEAMER, Microsoft Word, Microsoft PowerPoint

Other Information:

Linkedin: https://www.linkedin.com/in/duddu-hriday/   **Github:**   https://github.com/Duddu-Hriday