

Rahul Padole

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EDUCATION

Bachelor of Technology, Information Technology

Kavikulguru Institute of Information Technology and Science

Ramtek, Maharashtra

Graduation: June 2025 | GPA: 8.5

WORK

PHN technology Pvt. Ltd. Pune

March 2023 to June 2023

(Full stack engineer intern)

- Collaborated with the design and product team to rebuild and enhance the company's website for improved responsiveness and performance.
- Refactored existing codebase and implemented responsive design principles to ensure seamless experience across desktop, tablet, and mobile devices.
- Improved website performance and load time by 25% through responsive design and optimization.

SKILLS

- **Technical Skills:** HTML, CSS, JavaScript, React, Node.js, MySQL, Data Structures, OOP
- **ML Tools & Libraries:** Python, Scikit-learn, Pandas, NumPy, Matplotlib, Jupyter

PROJECTS

DDoS Attack Detection System

Developed a system to detect Distributed Denial of Service (DDoS) attacks by analyzing network traffic patterns and identifying abnormal behavior.

- Utilized feature engineering techniques to extract traffic-based metrics such as packet rate, flow duration, and source IP entropy.
- Trained and evaluated machine learning models (e.g., Random Forest, SVM) to classify traffic as benign or malicious with high accuracy.
- **Stack:** HTML, CSS, JavaScript, Python, Scikit-learn, Pandas, NumPy, Matplotlib, Jupyter, Wireshark (or CICIDS2017 Dataset)

Weather Detection App

Developed a real-time weather detection app, integrating live API data to display current weather conditions with location-based insights.

- Implemented geolocation features to auto-detect user location and dynamically update forecasts.
- Designed an intuitive user interface with a responsive layout and smooth user interactions.
- **Stack:** HTML, CSS, JavaScript, React, OpenWeatherMap API, Geolocation API

To-Do List

Built a dynamic to-do list application to help users create, manage, and track daily tasks with an intuitive interface. Implemented core functionalities including task addition, deletion, completion toggles, and persistent local storage.

- Designed a clean, responsive UI for seamless task management across devices.
- **Stack:** HTML, CSS, JavaScript, React

CERTIFICATIONS

- Cloud Computing – NPTEL (2024)
- Prototype Design and Development – KITS College (2023)