

# BHAVANA THOTA

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## PROFESSIONAL SUMMARY

Aspiring Full Stack Developer with hands-on experience in front-end web development using React, HTML, CSS, JavaScript, and Bootstrap. Proficient in programming languages including Java and Python (Basic). Skilled in using GitHub for version control and collaborative development.

## SKILLS

Languages	:	Java, HTML, CSS, JavaScript, Basic Python
Tools & Platforms	:	Git, GitHub, VSCode, Google Colab, Jupyter Notebook
Frameworks & Libraries	:	React, Bootstrap, AOS, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn
Soft Skills	:	Problem-Solving, Strong Communication, Team Collaboration, Good Interpersonal skills

## PROJECTS

### WEATHER APP

Technologies Used: React, JS, CSS, OpenWeatherMap API, Fetch, CRA

[LINK](#)

- Implemented API-based dynamic weather data rendering with robust error handling and created a mobile-friendly UI using clean, reusable components for an enhanced user experience.

### PERSONAL PORTFOLIO WEBSITE

[LINK](#)

Technologies Used: HTML, CSS, JavaScript, AOS (Animate on Scroll)

- Built a personal portfolio using HTML, CSS, and JavaScript, featuring an email-enabled contact form and a responsive navigation toggle for a seamless mobile experience.

### SENTINEL NET

[LINK](#)

Technologies Used: Python, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn

- Developed **Sentinel Net**, an ML-based IDS using the NSL-KDD dataset with full preprocessing, hybrid resampling, and feature encoding, achieving strong detection performance where Random Forest and Decision Tree models excelled in identifying minority attack classes.

## EXPERIENCE

### Artificial Intelligence Intern

#### Infosys Springboard (13-08-2025 to 08-10-2025)

- Developed an ML-based Intrusion Detection System using NSL-KDD & CIC-IDS-2017 with a full pipeline of preprocessing, encoding, and SMOTE-Tomek resampling.
- Implemented and evaluated Logistic Regression, Decision Tree, and Random Forest models, achieving up to 99%+ accuracy and improved minority attack detection.

## EDUCATION

**Bachelor of Technology (B.Tech)** | CGPA: 9.59 (ongoing)

PBRVITS,Kavali

Expected Graduation: 2027

**Intermediate** | Percentage:97.5%

Narayana Junior College, Kavali

Completed: 2023

## CERTIFICATIONS & ACHIEVEMENTS

- Omdena – Building CropLogic Project Collaboration Certificate (Nov 18, 2025) — [Credential Link](#)
- Achieved first place in the coding contest organized by our college on March 24.
- Organized a 2–3 hours quiz competition attended by 50+ participants