

# Yashmitha Desai

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Bangalore, Karnataka, India

## TECHNICAL SKILLS

Languages; Python, C, HTML, CSS, JavaScript, PHP, Java, Kotlin

Developer Tools: VS Code, GitHub, Android App Development

Technologies/Framework: React, Node.js, Express.js, MongoDB, SQL

## WORK EXPERIENCE

### Vortex Media Management

04/25-05/25

Front-end Development Intern

Bangalore, Karnataka

- Build responsive dashboards using **Next.js**
- Develop clean, secure, and scalable front-end interfaces
- Work closely with teams to meet real-world deadlines

## EDUCATION

### R.V College of Engineering | CGPA : 9.36

September 2023 - Present

B.E in Computer Science and Engineering(CyberSecurity)

Bangalore, Karnataka

### Deeksha C F L PU College | State : 95.5%

May 2023

12th State

Bangalore, Karnataka

### Sishu Griha English School | ICSE : 96.67%

March 2021

10th ICSE

Bangalore, Karnataka

## PROJECTS

### Phishing Detection

April 2025

Tools: Python, Flask, Neo4j, CSS, HTML



- Built a Flask-based web app to detect phishing using Levenshtein distance, Jaccard similarity, and entropy scoring. Visualized suspicious domain clusters using Neo4j to identify brand-targeting patterns.
- Designed a **Chrome extension** for real-time domain checking with a visual **risk meter** and redirect suggestions. Integrated bulk domain checker, **SSL certificate status**, and **WHOIS lookup** for enriched threat analysis
- Achieved 95%+ accuracy and <200ms response time for known phishing domains. Developed an admin analytics dashboard for monitoring phishing trends and activity.

### Credit Card Fraud Detection

July 2024

Tools: Python, Python-flask, Html, CSS, Javascript, Php, Xampp



- Designed a responsive and interactive website using **HTML**, **CSS**, and **JavaScript**. Developed a secure login system using **PHP** and hosted locally with **XAMPP**.
- Trained a **machine learning model** in Python to detect credit card fraud using real-world datasets. Integrated the ML model with the website backend using **Flask** for seamless prediction functionality.
- Ensured smooth client-server communication with RESTful API endpoints. Focused on user security and data integrity in all transactions.

### Football Team Optimization

December 2024

Tools: Python, Python-flask, React, MERN stack



- Built an AI-driven system to shortlist football candidates based on performance metrics. Utilized **NumPy** and **Pandas** for data analysis and preprocessing.
- Visualized candidate performance using **Matplotlib** and **Seaborn** for insights. Trained machine learning models with **Scikit-learn** for candidate evaluation.
- Developed a dynamic frontend using **React.js** for user interaction. Integrated a **Node js** backend for efficient data handling and model deployment. Secured user authentication by storing login details in **MongoDB**. Successfully hosted the website on **Streamlit**.

### Automated Home Gardening

December 2024

Tools: Android Developers, Arduino



- Built an advanced gardening app using **Android Developers** and **Arduino** for hardware integration. Integrated sensors to monitor key parameters like soil moisture and temperature. Utilized **Java** and **Kotlin** for the development of the app.
- Automated gardening suggestions based on sensor data and weather predictions. Combined software and hardware solutions for efficient, data-driven automation.

### Yoga Website

November 2023

Tools: Html, CSS, Javascript, Php, Xampp



- Designed an interactive yoga website using **HTML**, **CSS**, and **JavaScript**. Implemented secure login functionality using **PHP**. Deployed the website locally using **XAMPP** for testing and demonstration. Focused on user-friendly design and functionality.

## PATENTS AND PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PATENT, S=IN SUBMISSION, T=THESIS

- [C.1] Yashmitha Desai, et al. (2024). **Wind turbin configuration for urban areas using QBlade**. In *International Conference on Modeling, Simulation and Optimization (CoMSO 2024)*, 9/4/24, NIT Silchar.

## ADDITIONAL INFORMATION

**Community Service Program:** Volunteer at NSS RVCE, member of IEEE (Treasurer at IEEE SIGHT)

**Club activities:** Active member of design and media team at TEDxRVCE and E-CELL RVCE

**Languages:** English, Telugu, Kannada, Hindi

**Interests:** Dancing, Reading

