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**. Succesfully 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.

- **Stock Sorting Visualizer** *May 2025*

Tools: React.js [ ]

- An interactive **React app** that demonstrates sorting algorithms (Bubble, Merge, Quick Sort) using **real-time stock market** data. It features adjustable visualization speeds, live **API data integration** with Yahoo Finance, and educational tools including algorithm pseudocode, performance metrics, and a "Guess the Algorithm" challenge.

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, Readin