

YASHVARDHAN C. N.

[GitHub](#) | [LinkedIn](#) | [Portfolio](#)
[7899900506](#) | yashvardhancn44@gmail.com



SUMMARY

A **passionate** and **creative** software developer, with excellent **programming** and **problem solving skills**, experienced in projects related to **full-stack web**, **big data**, **machine learning**, and **cloud technologies**. Former software engineer at **Cisco Systems** and a freelance web developer. I possess the ability to deliver **high-quality**, **scalable** software solutions on time. I thrive in **collaborative** environments and embrace **values** like hard work, smartness, discipline, focus, and belief, to tackle challenges and drive success.

SKILLS

Languages: JavaScript, Java, Python, TypeScript, SQL.

Web: React.js, Node.js, Spring Framework – Spring Boot, REST API, Redux, Jest-testing, HTML5, CSS3.

Data & AI : SQL - PostgreSQL, My SQL; Kafka, NoSQL-MongoDB; OpenCV, Tensorflow, Scikit-learn.

Cloud & others: Amazon Web Services (AWS); Docker, Kubernetes, Git, Postman, Agile, CI/CD - Jenkins.

System Design: Data Structures & Algorithms, OOPS, SOLID principles, Basic Design patterns, Microservices.

Soft Skills: Quick Learner, Team Player, Effective Leader, Humble and Adaptive, Resilient, Strong Communicator, Multilingual.

EXPERIENCE

Cisco Systems: Software Engineer

Jan 2021 – Nov 2021

- Joined Cisco's **Financial Reporting Team** through the Cisco Ideathon, where I developed **web and big data** applications.
- Engineered a **Kafka consumer for data retrieval** utilizing **Python**, **Confluent-Kafka**, and **PostgreSQL**, optimizing the transfer of 1 million data records, resulting in significant **time and cost savings** for the team. Ensured compliance with SQLAlchemy, PyODBC, and Psycopg, enabling seamless integration, interoperability, and scalability across the system.
- Worked on the **backend** development of a **Invoice processing system** using **Java**, **Spring Boot**, **JPA**, **JDBC** and **PostgreSQL** which handled sequential and parallel approvals of Bills.
- Developed a proof-of-concept **Dashboard frontend web application** using **JavaScript**, **ReactJS**, and **Recharts** library.
- Engaged in collaborative, cross-cultural **Agile** development, and played a key role in team meetings.

Freelance Developer

Dec 2021 – Aug 2024

- 4U Academy:** Designed and developed a **frontend web application** for an **Ed-tech startup** using **ReactJS**.
- Personal Freelance:** Developed a **AI integrated web application** using **HTML**, **CSS**, **Bootstrap**, **Keras-Tensorflow**, and **Python-Flask** to predict **10** tomato leaf diseases with a prediction accuracy of **87%**.

Family Business

Dec 2021 – Aug 2024

PROJECTS

Real Time User Interaction Analytics

[[GitHub](#), [Demo-Video](#)]

- A real-time analytics system capturing user interactions like views and purchases, streaming event data to Kafka for storage and analysis, and consuming it to generate a real-time dashboard for business insights.
- Tech Stack:** React, Recharts, Express.js, Node.js, KafkaJS, WebSockets, MongoDB (Mongoose), Confluent Cloud.

E-commerce Website

[[GitHub](#), [Live-website](#)]

- An eCommerce app with features like product browsing, secure user JWT authentication, and a seamless checkout process. It includes admin-specific functionality for managing products and orders, along with user profile management.
- Tech Stack:** React.js, React Router, Redux Toolkit, MongoDB, Express.js, JSON Web Token, React-Bootstrap, Render.

Portfolio Website

[[GitHub](#), [Live-website](#)]

- A dynamic portfolio app with smooth animations and a modern, responsive design. It offers an engaging user experience and highlights professional achievements. It's built using Next.js, React, TypeScript, Framer Motion, Tailwind CSS, Vercel.

Recipe App Website

[[GitHub](#)]

- The app allows users to search for recipes and save their favorites, leveraging PostgreSQL for data storage. Built with React and TypeScript, Express and Prisma for backend development while utilizing the Spoonacular API for recipe data.

Hand gesture recognition system.

- A 2D vision-based system for classification under complex lighting conditions and varied backgrounds. Built using Python, OpenCV, and Scikit-learn, it was trained on a custom dataset of 24,000 images, achieving 93% classification accuracy.

EDUCATION

Siddaganga Institute of Technology, Tumkur, Karnataka.

Bachelor of Engineering (B.E.) in Electronics & Communication, 2017 – 2021.

LEADERSHIP AND ACCOMPLISHMENTS

- Published 3 research papers in IEEE and Springer** [[Links](#)].
- Vice Chairperson at IEEE SIT Student Branch:** Strategically led a cross cultural **team of 117** people in coordinating national-level events **during Covid-19**, engaging **1000+** participants. Managed **10+** workshops, hackathons, competitions. Led the design, marketing and sponsorship team for 3 straight years.
- Basketball player:** Central Zonal VTU Tournament 2018-2019 winner and **State Level** Basketball Player for CKM.

CERTIFICATIONS

- AWS Cloud Practitioner Essentials – Coursera(AWS).** [[Link](#)]
- CCNA Certification - CISCO.** [[Link](#), [Link](#)]
- Python Certification - OpenEDG Python Institute.** [[Link](#)]